

A

(76)

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

TUFTS COLLEGE.

1880-81.



BOSTON:
PRINTED BY JOHN S. SPOONER,
PROVINCE STREET.

Learning and Labor.

LIBRARY

OF THE

University of Illinois.

CLASS.

BOOK.

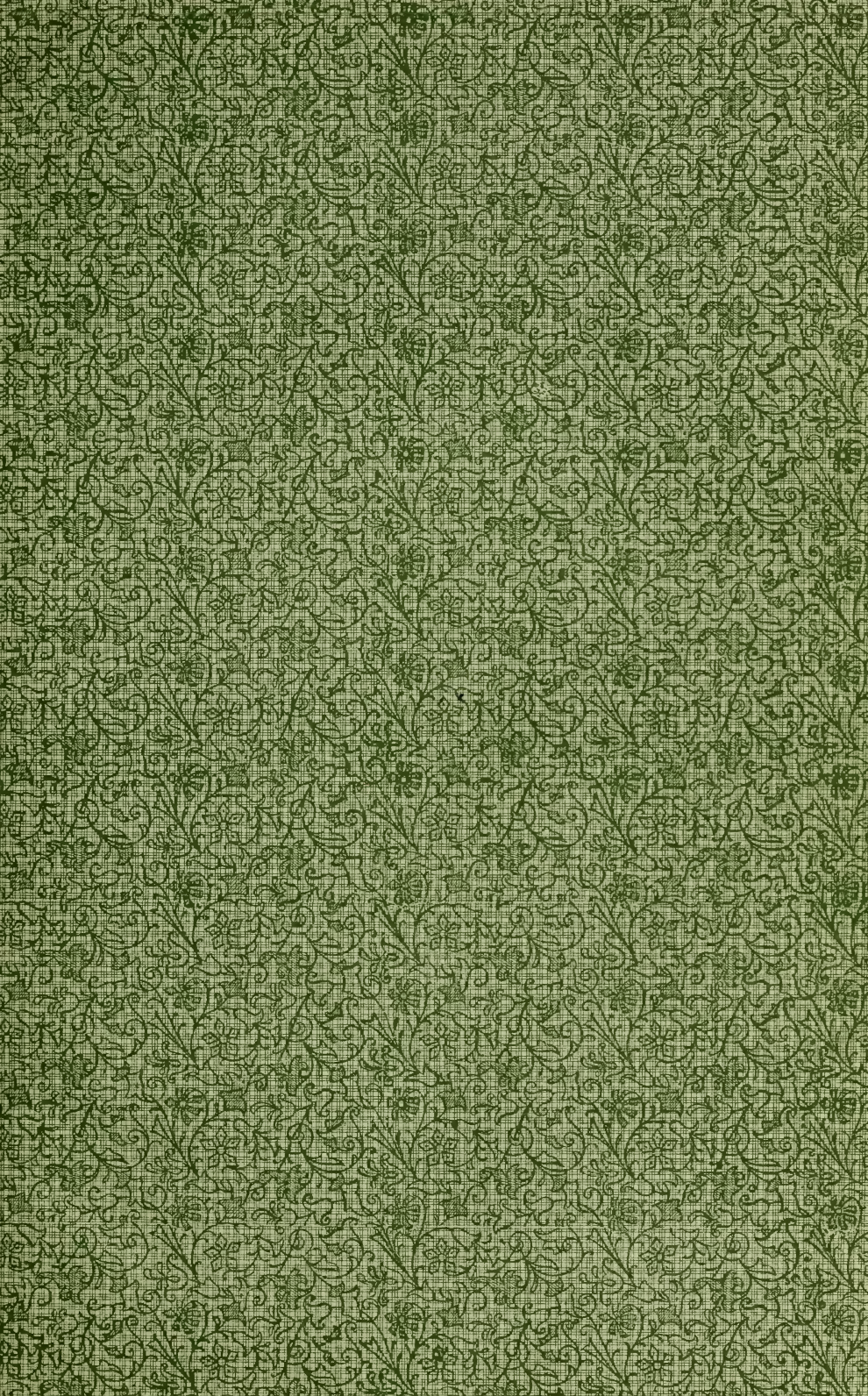
VOLUME.

C

T81H

1880/86

Accession No.





Digitized by the Internet Archive
in 2014

C
F81H
1880/81
cop. 2

FB

76

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

A

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1880-81.



BOSTON:
PRINTED BY JOHN S. SPOONER,
PROVINCE STREET.

TRUSTEES.

ISRAEL WASHBURN, JR., LL.D., *Portland, Me.*,
PRESIDENT.

HON. CHARLES ROBINSON, JR., *Newton*,
VICE-PRESIDENT.

THOMAS H. ARMSTRONG, A.M., *Boston*,
SECRETARY.

WILLIAM H. FINNEY, Esq., *Boston*,
TREASURER.

REV. ALONZO A. MINER, D.D., LL.D., *Boston*.

JAMES O. CURTIS, Esq., *Medford*.

REV. LUCIUS R. PAIGE, D.D., *Cambridge*.

HON. TIMOTHY T. SAWYER, *Boston*.

HON. NEWTON TALBOT, *Boston*.

REV. ELMER H. CAPEN, D.D., *College Hill*.

HENRY B. METCALF, Esq., *Pawtucket, R.I.*

NORMAN C. MUNSON, Esq., *Shirley Village*.

CHARLES G. POPE, A.M., *Somerville*.

ZEBULON L. WHITE, Esq., *Providence, R.I.*

CHARLES S. FOBES, A.M., *Portland, Me.*

CHARLES H. ROGERS, Esq., *Philadelphia, Pa.*

HON. HOSEA M. KNOWLTON, *New Bedford*.

REV. HENRY W. RUGG, *Providence, R.I.*

JOHN D. W. JOY, Esq., *Boston*.

REV. J. COLEMAN ADAMS, *Lynn*.

CHARLES WHITTIER, Esq., *Boston*.

REV. EDWIN C. BOLLES, Ph.D., *Salem*.

WILMOT L. WARREN, Esq., *Springfield*.

BYRON GROCE, A.M., *Boston*.

ARTHUR E. DENISON, Esq., *Cambridge*.

OFFICERS OF INSTRUCTION AND
GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, A.M.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, A.M.B., A.M.,
Professor of Physics and Astronomy.

MOSES T. BROWN, A.M.,

Professor of Oratory.

CHARLES E. FAY, A.M.,

Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,

Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, A.M.,

Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,

Professor of Psychology and Natural Theology.

S. MINOT PITMAN, A.M.B.,

Professor of Chemistry.

GEORGE T. KNIGHT, A.M., B.D.,

Instructor in Rhetoric and Church History.

JEROME W. KLINGHAMMER, A.M.,

Walker Special Instructor in Mathematics.

WILLIAM R. SHIPMAN, A.M.,

Librarian.

FACULTY OF THE COLLEGE.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M.

JEROME SCHNEIDER, PH.D.

HEMAN A. DEARBORN, A.M.

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, A.M.

AMOS E. DOLBEAR, A.M.B., A.M.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M., *Secretary.*

CHARLES D. BRAY, C.E., A.M.

S. MINOT PITMAN, A.M.B.

JEROME W. KLINGHAMMER, A.M.

CANDIDATES
FOR THE DEGREE OF
MASTER OF ARTS.

Adams, John Coleman, '70, B.D. '72, *Lynn.*
(*Philosophy and History*).

Beckwith, Walter Parker, '76, *Adams.*
(*Philosophy and English Literature*.)

Hamilton, Frederick William, '80, *Portland, Me.*
(*Philosophy and English Literature*.)

Harmon, George Milford, '67, B.D. '75, *Peabody.*
(*Philosophy and English Literature*.)

Hawes, Frank Mortimer, '72, *Somerville.*
(*Philosophy and English Literature*.)

Jordan, Charles Nelson, '77, *Bangor, Me.*
(*Jurisprudence and Latin*.)

Pearce, Harley Nelson, '80, *East Calais, Vt.*
(*Latin and English Literature*.)

Stetson, Albert, '73, *Franklin Falls, N. H.*
(*Latin and Greek [Philology.]*)

UNDERGRADUATES.

SENIOR CLASS.

Bartholomew, John May,	<i>Franklin,</i>	West Hall, 13.
Burt, Frank Leslie,	<i>Adams,</i>	Mid. Hall, 7.
Cate, George Wilbur,	<i>Calais, Vt.,</i>	East Hall, 23.
Cook, Irving Sherburne,	<i>Woonsocket, R. I.,</i>	East Hall, 23.
Cummings, Joseph, Jr.,	<i>Taunton,</i>	Mid. Hall, 14.
Friend, Arthur Procter,	<i>College Hill,</i>	West Hall, 9.
Gowing, Fred,	<i>Medford,</i>	Mid. Hall, 9.
Ham, William Franklin,	<i>Milford,</i>	West Hall, 16.
Leonard, Charles Gale,	<i>College Hill,</i>	West Hall, 8.
Mack, William Elwin,	<i>Woodstock, Vt.,</i>	West Hall, 9.
McColleston, Sullivan Lee,	<i>Marlboro, N. H.,</i>	West Hall, 11.
Meserve, Henry Clifford,	<i>North Jay, Me.,</i>	West Hall, 11.
Powers, Edmund Wilson,	<i>Sterling,</i>	West Hall, 8.
Prescho, Edward Webb,	<i>Charlestown,</i>	Mid. Hall, 9.

JUNIOR CLASS.

Eveleth, Walter,	<i>Auburn, Me.,</i>	West Hall, 10.
Farrell, William,	<i>Stoughton,</i>	West Hall, 7.
Howe, Frank Herbert,	<i>Norway, Me.,</i>	West Hall, 1.
Lothrop, Thomas Whittier,	<i>Belfast, Me.,</i>	West Hall, 2.
Lovejoy, George Montgomery,	<i>Calais, Me.,</i>	West Hall, 2.

Nutting, Clarence Luciene,	<i>Plymouth, N. H.,</i>	Mr. McCausland's.
Peirce, Arthur Winslow,	<i>Arlington,</i>	West Hall, 10.
Rand, Frank Prescott,	<i>Hartland, Me.,</i>	East Hall, 13.
Riley, Herbert Smith,	<i>Woburn,</i>	East Hall, 15.
Wood, Henry,	<i>North Easton,</i>	West Hall, 7.

SOPHOMORE CLASS.

Bicknell, Charles Loring,	<i>Auburn, Me.,</i>	West Hall, 12.
Currier, Nathan,	<i>Enfield, N. H.,</i>	East Hall, 19.
Edwards, Hubert Foote,	<i>College Hill,</i>	Pres. Capen's.
Gerould, Charles Walter,	<i>Chicago, Ill.,</i>	Mrs. Gerould's.
Mayberry, Charles Bradford,	<i>Weston,</i>	East Hall, 2.
Pease, Frank Herbert,	<i>Parsonsfield, Me.,</i>	East Hall, 19.
Perry, Oscar Hoyt,	<i>Wayland,</i>	West Hall, 3.
Puffer, Charles Hunnicutt,	<i>Stafford, Conn.,</i>	West Hall, 3.
Pushaw, Frank Leslie,	<i>Pittsfield, Me.,</i>	West Hall, 4.
Snow, Frederick Elmer,	<i>Newark, N. J.,</i>	West Hall, 12.
Spratt, Frank Allen,	<i>Hermon, Me.,</i>	West Hall, 4.
Ward, Winfield Scott,	<i>Woburn,</i>	Mid. Hall, 20.

FRESHMAN CLASS.

Ballou, William Martin,	<i>Boston,</i>	East Hall, 18.
Beal, Albert Asahel,	<i>Rockland,</i>	East Hall, 18.
Dana, Alston William,	<i>Mechanicsville, Vt.,</i>	East Hall, 10.

Darling, Charles Hial,	<i>Woodstock, Vt.,</i>	East Hall, 22.
Day, Elias Elwell,	<i>Gloucester,</i>	East Hall, 31.
Fynn, Arthur John,	<i>Salisbury, N. Y.,</i>	East Hall, 8.
Kendall, Fred Oliver,	<i>S. Woodstock, Vt.,</i>	East Hall, 22.
Marvin, Winthrop Lippitt,	<i>Portsmouth, N. H.,</i>	East Hall, 11.
Paige, Charles Sewell,	<i>Weare, N. H.,</i>	East Hall, 8.
Priest, Ira Allen,	<i>Mechanicsville, Vt.,</i>	East Hall, 10.
Quinn, Edward Nathaniel,	<i>Waltham,</i>	East Hall, 31.
Spear, Charles Francis,	<i>Woburn,</i>	Mid. Hall, 11.
Start, Edwin Augustus,	<i>Cambridge,</i>	West Hall, 1.
Stevens, Charles Plimpton,	<i>East Medway,</i>	Mid. Hall, 11.
Wright, Philip Green,	<i>Medford,</i>	Mid. Hall, 8.

SPECIAL STUDENT.

Manning, Charles Bolles, 2nd,	<i>Rockport,</i>	Pres. Capen's.
-------------------------------	------------------	----------------

DEPARTMENT OF ENGINEERING.

THIRD CLASS.

Milliken, George King,	<i>Alstead, N. H.,</i>	Mid. Hall, 8.
Norton, Henry Addison,	<i>Hightstown, N. J.,</i>	Prof. Fay's.
Rice, Frederick Avery,	<i>Watertown, N. Y.,</i>	West Hall, 16.

FIRST CLASS.

Smith, Frank Elwood,	<i>Franklin,</i>	West Hall, 13.
----------------------	------------------	----------------

ADMISSION
TO THE
REGULAR COLLEGE COURSE.

Applicants for admission must produce certificates of good moral character. If they come from other colleges, certificates also of their regular dismission are required.

For admission to the Freshman Class, an examination must be well sustained in the following studies :

Latin.—I. Ovid's *Metamorphoses*, twelve selections of Allen and Greenough's edition, or four books of Andrews's ; six books of Virgil's *Æneid* ; four books of Cæsar's *Commentaries* ; seven *Orations* of Cicero, including the *Manilian Law* ; Allen and Greenough's, or Harkness's *Grammar*, including *Prosody* ; Allen and Greenough's, or Harkness's *Latin Composition to Part III* : or, as an alternative,

II. 1. Cæsar, *Gallic War*, Books I-IV (or Books I-III and Sallust's *Catiline*), with questions on the subject-matter and on grammar ; Virgil, *Æneid* I-VI (or *Eclogues* and *Æneid* I-V), with questions on the subject-matter and on *Prosody*.

2. Translation at sight of average passages of Cæsar, with general questions on grammar, history, and antiquities suggested by the passages set ; translation into Latin of simple English sentences, to test the candidate's practical knowledge of grammar.

3. Cicero, *Orations against Catiline*, and for *Archias*, with questions as in 1.

4. Translation at sight of average passages of Cicero's Orations, with questions as in 2; translation at sight of average passages of the *Æneid*, and of Ovid's *Metamorphoses*, with questions on Prosody.

5. Translation into Latin of a passage of connected English narrative, based upon some portion of the prescribed prose.

Greek.—I. Three books of Homer's *Iliad*; four books of Xenophon's *Anabasis*; Hadley's, Crosby's, Curtius's, or Goodwin's *Greek Grammar*, including Prosody; writing Greek with the Accents: or, as an alternative,

II. Translation at sight of easy passages of the *Anabasis* and of average passages from the *Iliad* (with a vocabulary of the less used words), in place of the quantity requisition in Xenophon and Homer; Prose Composition as in I.

Mathematics.—Arithmetic, with the Metric System; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents; Plane Geometry.

Geography and History.—Outlines of Ancient Geography; Modern Geography; Smith's *Smaller History of Greece*, to the death of Alexander; Smith's *History of Rome*, to the death of Marcus Aurelius.

English Grammar and Composition.—Spelling; Punctuation; Structure of Sentences; Correct Use of Words; Clearness of Expression. The examination will consist,—1. in writing a short composition on a subject assigned; 2. in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature. Such works will be announced in each annual

catalogue, and for 1881 are as follows: *Romeo and Juliet*; *Paradise Lost*, Books I and II; *Irving's Life of Goldsmith*; *Scott's Abbot*.

In addition to the use of the text-book, it is recommended that pupils be accustomed, from the beginning of the preparatory course, to translate into Latin and Greek, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A.M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through which such class has passed, but no person will be admitted after the beginning of the Senior year.

To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman Class one year later, may present themselves for a preliminary examination, if prepared on not less than nine of the seventeen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the seventeen, Latin represents six subjects, Greek four, Mathematics three, Geography one, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin. — Livy ; Horace, Odes and Epodes ; Prose Composition.

Four hours a week for the year.

Roman History. — Rawlinson's Manual ; Ramsay's Roman Antiquities.

Two hours a week for the year.

Greek. — Xenophon ; Herodotus ; Thucydides ; Homer's Odyssey ; Dialects ; Prose Composition ; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

Mathematics. — Wells's or Olney's Algebra ; Wentworth's Solid and Spherical Geometry ; Wheeler's Trigonometry.

Four hours a week for the year.

Oratory. — Declamations ; Lectures.

Two hours a week for second half year.

Rhetoric. — Three Themes.

SOPHOMORE CLASS.

Latin. — Horace, Satires and Epistles ; Cicero de Officiis ; Germania and Agricola of Tacitus ; Prose Composition.

Four hours a week for first, three for second half year.

French — Macmillan's (Fasnacht's) Grammar ; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

Greek I.—The Orators ; Prose Composition.

Four hours a week for first half year.

Greek II.—The Dramatists ; Study of Metres.

Optional, three hours a week for second half year.

Natural History.—Huxley and Youmans's Physiology.

Optional, as an alternate with Greek II.

Physics.—Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Mathematics.—Howison's Analytic Geometry ; Applications of Trigonometry ; Olney's Geometry, Part III.

Four hours a week for first half year.

Oratory.—Lectures ; Declamations.

Two hours a week for second half year.

Rhetoric.—A. S. Hill's ; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

German.—Theoretical Grammar in Lectures, with Whitney for reference ; Eysenbach's Practical Grammar ; Spielhagen, Shorter Novels.

Six hours a week for the first half year.

Physics.—Ganot's, Heat, Light, Electricity, Physical Geography ; Newcomb and Holden's Astronomy.

Four hours a week for the first, three for the second half year.

Chemistry I.—Theoretical, with Lectures.

Three hours a week for first half year.

Chemistry II.—Descriptive, with Laboratory Practice.

Optional, four times a week for second half year.

English Literature.

Optional, as an alternate with Chemistry II.

Logic.—Jevons's.

Three hours a week for second half year.

Natural History. — Botany, Gray's Lessons and Manual; Zoölogy, Nicholson's, commenced.

Four hours a week for second half year.

Rhetoric. — Six Themes.

Also, three hours a week for the first half year and two for the second, in one of the following

ELECTIVE STUDIES:

Greek. — Plato.

Latin. — Juvenal; Cicero.

German. — Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

French. — Dramatists of the Classic Period; Modern Novelists; Chardenal's Advanced Exercises.

Rhetoric. — Analysis of Speeches.

Physics. — Investigations in the Laboratory; Projection with sunlight and lantern; Physical Manipulations, Pickering; Sound, Stone; Spectroscope, Lockyer; Projection, Dolbear.

Chemistry. — Qualitative Analysis; Wurtz, Histoire des Doctrines Chimiques, first half year: Qualitative Analysis; Manufacture of Chemicals, with Laboratory Work; Metallurgy of Iron and Steel, second half year.

Engineering. — Descriptive Geometry; Drafting.

Mathematics. — Differential and Integral Calculus.

Oratory. — Special Drill in Reading and Declamation.

SENIOR CLASS.

Natural History. — Zoölogy, Nicholson's, completed; Geology, Dana's, with Lectures; Mineralogy, with Lectures and Blow-pipe Analysis.

Four hours a week for first half year.

Moral Philosophy. — Calderwood's Moral Science, with Lectures on Christian Evidences.

Four hours a week for first half year.

Political Economy. — Fawcett's, with Lectures.

Four hours a week for second half year.

Mental Philosophy. — Porter's Human Intellect.

Four hours a week for second half year.

Also, six hours a week for the year in two of the following

ELECTIVE STUDIES :

Jurisprudence. — Ancient Law ; Roman Law ; International Law ; Constitutional Law ; Lectures.

English Literature ; Logic ; Metaphysics.

Greek, Latin, French, or German Literature.

Italian. — Sauer's Grammar ; Manzoni, I Promessi Sposi.

Mathematics. — Geometry of Three Dimensions ; Mechanical and Architectural Drawing ; Salmon's Conic Sections ; Advanced Mechanics.

Chemistry. — Quantitative Analysis ; Animal and Vegetable Chemistry ; Metallurgy, with the assaying of Lead, Copper, Gold and Silver ; Meyer, die modernen Theorien der Chemie.

Physics. — Natural Philosophy, Thomson and Tait ; Heat, Maxwell ; Electricity, Jenkin, Cummings ; Investigations in the Physical Laboratory, Spottiswood, Pickering.

Natural History. — Biology, Huxley and Martin's, with Practical Work in the Laboratory, first half year : Mineralogy, Blow-pipe Analysis, Qualitative and Quantitative, second half year.

Engineering. — Topographical Surveying and Drawing ; Steam Engine.

Oratory. — Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course of instruction, prepared for those who enter for the degree of Bachelor of Philosophy, occupies four years. It includes all the studies of the Regular Course, except Greek, requires additional French and German, and offers an opportunity of pursuing certain elective studies to a greater extent.

The requisitions for admission are the same as for the Regular Course, with the omission of Greek, and the addition of French, as follows: all of Otto's Grammar, or Macmillan's (Fasnacht's) Progressive French Course; the first fifteen chapters of Lacombe's *Petite Histoire du Peuple Français*.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin.—Livy; Horace, Odes and Epodes; Prose Composition.

Four hours a week for the year.

Roman History.—Rawlinson's Manual; Ramsay's Roman Antiquities.

Two hours a week for the year.

French.—Dramatists of the Classic Period; Modern Novelists; Chardenal's Advanced Exercises.

Three hours a week for first, four for second half year.

Mathematics.—Wells's or Olney's Algebra ; Wentworth's Solid and Spherical Geometry ; Wheeler's Trigonometry.

Four hours a week for first, five for second half year.

Rhetoric.—A. S. Hill's ; Three Themes.

Four hours a week for first half year.

Oratory.—Lectures ; Declamations.

Two hours a week for second half year.

SOPHOMORE CLASS.

Latin.—Horace, Satires and Epistles ; Cicero de Officiis ; Germania and Agricola of Tacitus ; Prose Composition.

Four hours a week for first, three for second half year.

German.—Theoretical Grammar in Lectures, with Whitney for reference ; Eysenbach's Practical Grammar ; Spielhagen ; Goethe, Hermann und Dorothea ; Schiller, Maria Stuart.

Six hours a week for first, three for second half year.

Mathematics.—Howison's Analytic Geometry ; Applications of Trigonometry ; Olney's Geometry, Part III.

Four hours a week for first half year.

Physics.—Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Natural History.—Huxley and Youmans's Physiology, with Lectures.

Three hours a week for second half year.

Oratory.—Lectures ; Declamations.

Two hours a week for second half year.

Rhetoric.—Six Themes.

Also, two hours a week for the first half year and three for the second, in one of the following

ELECTIVE STUDIES :

Chemistry.—with Lectures and Laboratory Practice.

Physics.—Work in the Physical Laboratory.

Engineering.—Descriptive Geometry; Drawing.

Rhetoric.—Analysis of Speeches.

In Junior and Senior years this course is identical with the foregoing, (pp. 15-17), excepting the following variations in the first half of Junior year:

German.—Vilmar, Geschichte der deutschen Literatur: Schiller, Wallenstein.

Three hours a week for the half year.

And six hours for the half year are divided between two of the specified Elective subjects.

ENGINEERING COURSE.

This course, extending through three years, is established for those who enter for the degree of Civil Engineer.

The requisitions for admission are as follows: Arithmetic, with the Metric System; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents; Plane Geometry; Modern Geography; English Grammar and Composition, the same as for the Regular Course.

A fourth year of study is provided for those graduate Engineers who wish to take up work in some branch of Engineering and in other departments of the College.

Students of the Regular and Philosophical courses may so arrange the elective work as to make it possible to obtain the degree of Civil Engineer after a post-graduate course of one year in this department.

COURSE OF STUDY.

FIRST YEAR.

Mathematics.—Wells's and Olney's Algebra ; Wentworth's Solid and Spherical Geometry ; Wheeler's Trigonometry.

Four hours a week for the year.

Descriptive Geometry, Shades, Shadows, and Perspective.

Four hours a week for first, two for second half year.

Surveying.—Theory, with Elementary Practice ; Compass Surveys.

Three hours a week for first half year.

Physics.—Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Chemistry.—Theoretical, with Lectures.

Three hours a week for first half year.

French.—Macmillan's (Fasnacht's) Grammar ; Lacombe. *Petite Histoire du Peuple Français.*

Six hours a week for second half year.

Drawing.—Plotting ; Orthographic Projection.

Four hours a week for first, two for second half year.

SECOND YEAR.

Mathematics I.—Howison's Analytic Geometry ; Applications of Trigonometry ; Olney's Geometry, Part III.

Four hours a week for first half year.

Mathematics II.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—General and Applied, with Lectures on Construction.

Three hours a week for the year.

Steam Engine.—Theory and Construction.

Four hours a week for second half year.

Topography.—Field Work, and Drawing.

Four hours a week for first, six for the second half year.

Physics.—Ganot's, Heat, Light, Electricity, Physical Geography; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

THIRD YEAR.

Mathematics.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Applied Mechanics.

Two hours a week for first, three for second half year.

Civil Engineering.—Strength of Materials; Stability of Structures of Stone, Wood, and Iron; Drainage and Sewerage; Hydraulics.

Three hours a week for first, five for second half year.

Road Engineering.—Surveys and Estimates.

Three hours a week for first half year.

Drawing.—Structures and Machines.

Six hours a week for the year.

Natural History.—Mineralogy, Blow-pipe Analysis.

Four hours a week for the year.

Preparation of Thesis.

ELECTIVE STUDIES. — The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives requisite to fill this programme, extra electives may be taken, if, in the judgment of the Faculty, they can be profitably pursued. Choice of electives for any half-year must be indicated in writing not later than the last Saturday of the preceding half-year. New elections may be made at such other times as are prescribed in the several departments.

EXAMINATIONS.—Frequent written reviews are held, and written examinations of all the class at stated intervals, and on completion of studies.

RELIGIOUS OBSERVANCES.—All resident students are required to attend morning prayers, and the reading of the scriptures in the Chapel.

All resident students are required to attend public worship on Sundays, in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who, on the application of their parents or guardians, have been permitted for reasons of conscience to attend regularly at a church of their own denomination.

RUSSELL LECTURE.—The Russell Lecture, established in accordance with a bequest of the late Hon. James Russell of Arlington, is delivered before the Trustees, Faculty, and Students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.—The Library, containing about 18,000 volumes and 5,000 pamphlets, is open to members of the college, both for consultation and for the drawing of books, from 9.30 to 5 on weekdays, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND.—The income of a fund of twelve hundred dollars, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

EXPENSES.

College Charges, (Tuition, Care of Rooms, Incidentals,)			
	per year,	\$100.00	\$100.00
Half Room rent, from \$15.00 to \$50.00,	" . .	15.00	50.00
Board, \$3.00 per week,	" . .	117.00	117.00
	Total,	\$232.00	\$267.00

While the College Charges are as above stated, one hundred dollars per year, the College is, practically, free to those whose circumstances necessitate it.

Students board in commons at \$3.00 per week ; in private families at \$3.00 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March; the second is made immediately after Commencement, and is payable on the first day of the following College year, but the second bill of the Senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

There are *twenty-eight Scholarships* in the gift of the College, *twenty-five of one hundred dollars* and three of *sixty dollars* each, as follows:

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FOUR HOWLAND SCHOLARSHIPS, of *one hundred dollars* each, established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M.D., of Newport, R. I., whose munificent donations and bequests for mathematical and kindred purposes, greatly extend the usefulness of the College in these departments.

The PERKINS SCHOLARSHIP, of *sixty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N. Y., by a donation of one thousand dollars.

ONE OTHER, of *sixty dollars*, established by the conversion of the Loan Fund, of one thousand dollars, to that purpose.

The GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood, of Malden, given to such student as shall have made the best attainments in Oratory.

THREE PRIZE SCHOLARSHIPS OF NATURAL HISTORY, income of a special fund, which are given to such competitors, as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated. The competition is open in any branch, to all members of the College who have not taken a prize in that branch.

PACKARD FREE SCHOLARSHIPS.—In addition to the above, “ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from or leave the College, others are selected to take their places.”

These awards are made by the Board of Trustees on the recommendation of the Faculty.

Scholarships, except the Packard Free Scholarships, when voted, are understood to cover the College year just ended; but the obtaining of a scholarship for one year, does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year; that of the Bell-ringer, *one hundred dollars*.

Applications for the above Scholarships and other aids must be made to the Faculty on or before the first day of June; and, if the applicant be a minor, must be sanctioned by his parent or guardian.

No one need apply who has not made satisfactory progress, or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the Academical year, four prizes of *fifteen dollars* each are assigned from the Goddard Prize Fund, as follows:

A Prize for the best Dissertation, by a member of the Senior Class, on the following subject: “The Free Cities of the Middle Ages.”

A Prize for the best Examination in Plato's Symposium, or the Clouds of Aristophanes, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of three Sections of Chapter XXXIV in Liddell's History of Rome, beginning with the seventeenth.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President's office, by the 1st of May in sealed envelopes accompanied by sealed letters containing the authors' names.

Six other prizes from the same fund are assigned as follows:

Two Prizes of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two Prizes of *twenty* and *ten dollars* respectively, to members of the Junior Class for the best exhibition of improvement and skill in Elocution.

Two Prizes of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for reading and declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

PACKARD PRIZES.—In accordance with a provision of the will of the late Silvanus Packard, ten prizes of *twenty dollars* each are annually awarded to as many students who rank highest in scholarship and good behavior.

The foregoing prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

AWARDS FOR 1880.

For Examination in Mathematics.

TO FREDERICK ELMER SNOW, of the Freshman Class.

For Latin Prose.

TO HERBERT SMITH RILEY, of the Sophomore Class.

Greenwood Prize-Scholarship.

TO FRANK WELLINGTON WILDER, of the Senior Class.

Natural History Prize-Scholarships.

TO HIRAM HUTCHINS BURNS, in the department of Zoölogy ; and
HARLEY NELSON PEARCE, in the department of Botany.

• For Reading.

TO LAWRENCE JOHN DONOVAN, and FRANK WELLINGTON WILDER,
of the Senior Class.

For Declamation.

TO IRVING SHERBURNE COOK, and CHARLES GALE LEONARD, of
the Junior Class ; and to THOMAS WHITTIER LOTHROP, and
GEORGE MONTGOMERY LOVEJOY, of the Sophomore Class.

Packard Prizes.

TO HIRAM HUTCHINS BURNS, FREDERICK WILLIAM HAMILTON,
WILLIAM WILSON LEACH, and HARLEY NELSON PEARCE, of
the Senior Class ; HERBERT SMITH RILEY, and HENRY WOOD,
of the Sophomore Class ; OSCAR HOYT PERRY, CHARLES
HUNNICUTT PUFFER, and FREDERICK ELMER SNOW, of the
Freshman Class ; and to FREDERICK AVERY RICE of the Second
Engineering Class.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any Senior of the Regular Course, or of the Philosophical Course, who shall have complied with the following conditions: 1. He must have excelled in the required work of the study in which he desires honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examination, on them with distinction. 3. He must pass an examination before a committee of the Faculty, on as much extra work in the study in which he desires honors, as would be equal to two hours a week for a year. This examination may be either oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows: I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. English Literature, VI. Philosophy, VII. Modern Languages, VIII. Classics.

A student is expected to apply for honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of honors, as well as the department, will be mentioned in the diploma and printed in the Catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such graduates of the Regular Course, and of the Philosophical Course, as shall pursue during a residence of not less than one year, and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A.B. and B.Ph. are given by Tufts College.

DIVINITY SCHOOL.

FACULTY.

REV. ELMER H. CAPEN, D.D., PRESIDENT.

REV. THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

REV. CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

REV. GEORGE T. KNIGHT, A.M., B.D.,
Instructor in Rhetoric and Church History.

MOSES T. BROWN, A M.,
Professor of Oratory.

REV. EDWIN C. BOLLES, PH.D.,
Lecturer on the Need and Value of Science to the Minister.

REV. CHARLES W. BIDDLE,
Lecturer on Practical Phases of the Ministry.

STUDENTS.

FIRST YEAR.

Hall, Frank Oliver,	<i>Vallejo, Cal.,</i>	West Hall, 30.
Osgood, Fletcher,	<i>Chelsea,</i>	West Hall, 30.

SECOND YEAR.

Darling, Olney Inman,	<i>Warren,</i>	West Hall, 23.
Dusseault, William,	<i>Somerville,</i>	West Hall, 26.
Eastman, John Putney,	<i>Manchester, N. H.,</i>	West Hall, 28.
Knickerbacker, Charles Arthur,	<i>Wayne, Mich.,</i>	West Hall, 27.
Maulsby, David Lee,	<i>Baltimore, Md.,</i>	West Hall, 23.
Rice, Clarence E.,	<i>Watertown, N. Y.,</i>	West Hall, 29.
White, Rufus Austin,	<i>Towanda, Pa.,</i>	West Hall, 27.

THIRD YEAR.

Hoyt, Ezra Almon,	<i>Rumford, Me.,</i>	West Hall, 22.
Scott, Orange Johnson,	<i>Elnore, Vt.,</i>	West Hall, 26.

FOURTH YEAR.

Chapin, Eben Hubert, A.B., (<i>Lomb. Univ.</i>)	<i>Kirkwood, Ill.,</i>	West Hall, 25.
Critchett, Thomas William,	<i>Boston,</i>	West Hall, 21.
Horton, Edward Anthony,	<i>Providence, R. I.,</i>	West Hall, 31.
Rice, Arthur Alanson,	<i>Waterville, N. Y.,</i>	West Hall, 29.
Scoboria, Joseph Lower,	<i>Somerville,</i>	West Hall, 21.
Taylor, James,	<i>Worcester,</i>	West Hall, 26.
Temple, Edward Foster,	<i>Somerville,</i>	West Hall, 28.
Whippen, Frank Warren,	<i>Lynn,</i>	West Hall, 25.

RESIDENT GRADUATE.

Vannevar, John,	<i>Malden,</i>	West Hall, 24.
-----------------	----------------	----------------

ADMISSION
TO THE
THEOLOGICAL COURSE.

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the first day of the academic year.

Bachelors of Arts are admitted without examination. Other candidates must have received a good English education, and it is desirable that they should have some knowledge of the Latin and Greek languages.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology, shall take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid so extensive preparation. To meet the wants of

such, and yet provide for thorough training and comprehensive development, a four years course has been instituted. It is not to be expected that this will prove a full equivalent of a collegiate and a professional course combined, but it permits the introduction of branches not strictly professional, yet of a fundamental character, and of the highest disciplinary value. There can be no doubt of the advantage of pursuing such branches where they are made to point continually to professional uses. It is believed that four years spent in a single institution, where the studies are made to succeed each other in logical order, and with constant reference, and in due subordination to the requirements of the profession, must be more profitable than any other possible disposition of the time. Thus, not only is time, that important factor in education, gained, but it becomes possible to utilize the whole energy of the student, and to give a practical direction and a new impetus to all of his efforts. This course is therefore recommended to all who cannot avail themselves of a preparatory collegiate education.

COURSE OF STUDY.

FIRST YEAR.

Rhetoric.—Principles of Effective Speech; Rhetorical Analysis; Themes.

Logic.—Psychological Data; The Notion and Proposition; Deduction.

Greek Language.

History.—Biblical History and Geography.

German Language.

Hebrew Language,—with Selections in Prose and Poetry.

SECOND YEAR.

The Greek of the Gospels.

Rhetoric.—Studies in English Oratory; Analysis of Arguments.

Logic.—Induction; Definition; Logic of the Sciences; Fallacies.

Psychology.—The Intellect, its Function, Development, and Faculties; Historical Statement of the Leading Questions of Mental Philosophy.

German Language.

History.—Ancient and Modern Church History.

New Testament.—Introduction to Study of the Gospels; Principles of Interpretation; Exegesis; Exegetical Essays by the Class.

Homiletics.—History of Preaching; Analysis of the Sermon.

Old Testament Literature.

THIRD YEAR.

Psychology.—Facts of the Moral Nature ; Ethical Theories ; The Will ; Christian Ethics.

History.—History of Doctrines.

Exegesis.—Study of Selected Epistles ; Exegetical Essays by the Class.

Theology —Systematic Theology.

Homiletics.—Study of Sermons ; Composition and Delivery of Sermons.

Christian Evidences.

Old Testament.—Questions relating to Criticism and Interpretation.

FOURTH YEAR.

Theology,—Systematic and Comparative ; Distinctive Doctrines of Universalism.

Natural Theology.—Nature and Grounds of the Theistic Arguments ; Special Studies with reference to the Evidences of Order and Design ; Analogy of Nature and Religion ; Relations of Science and Christianity.

Homiletics.—Composition and Delivery of Sermons ; Practice in Extemporaneous Speaking.

Church Government.—Polity ; Membership and Offices of the Church.

Pastoral Theology.—Pastoral Care ; Ordinances of Worship ; Systematic Beneficence ; the Christian Spirit and Life.

Old Testament.—History of the Jewish People and Religion.

ESSAYS AND SERMONS.—In each department of study, students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class. Criticisms in public and private.

EXAMINATIONS.—Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

ELECTIVE STUDIES.—Graduates, undergraduates sufficiently advanced, and other persons desirous of pursuing special studies may receive instruction in Theology, Philosophy, Homiletics, General History, and Literature. Students are also permitted to attend lectures in the Academical department, subject, however, to the discretion of the Faculty.

DEVOTIONAL EXERCISES.—Devotional services are held daily in the chapel; also, weekly evening meetings for conference and prayer.

SOCIETIES.—There are two literary associations open to students, one organized from the side of the Academical department, the other from the side of the Theological department. These societies hold weekly meetings for literary criticisms, debates, orations, etc.

LIBRARIES.—Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

GENERAL FACILITIES.—Important facilities for general improvement are offered to students by the proximity of the school to such intellectual centres as Boston and Cambridge. Valuable libraries

and cabinets are made accessible. Elaborate courses of lectures on scientific, social, and literary subjects are presented to the public from time to time. The most noted divines of New England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES, DEGREE, ETC.—The Full Course occupies three years for Bachelors of Arts; for all others, four years. The Special Courses occupy respectively, one, two, and three years. Diplomas certifying to attainments are conferred upon those who have taken one of the Special Courses. The Degree of BACHELOR OF DIVINITY is conferred upon those who sustain satisfactorily an examination upon the studies of the Full Course.

ROOMS AND EXPENSES.—The rooms assigned to the Divinity Students, are in the West Hall, recently built, and are large, well-ventilated apartments. Each Study is provided with suitable furniture; and the bed-room adjoining each study is furnished with bedstead, bureau, etc.

Tuition, room-rent, and use of furniture, free. Board, about three dollars per week. The necessary school expenses, including board, washing, fuel, lights, text-books, etc., will not exceed two hundred dollars per year.

THE GREENWOOD SCHOLARSHIP.—The income of one thousand dollars will be given as a Prize-Scholarship to some member of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

The General Convention of Universalists aids students by a system of loans; and those in the regular course, who have shown sufficient maturity are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

CALENDAR.

1880.

Sept. 16.	Term begins,	Thursday morning.
Sept. 19.	Russell Lecture,	Sunday, 4 P.M.

Recess from the day preceding Christmas to the day following New Year's, both inclusive.

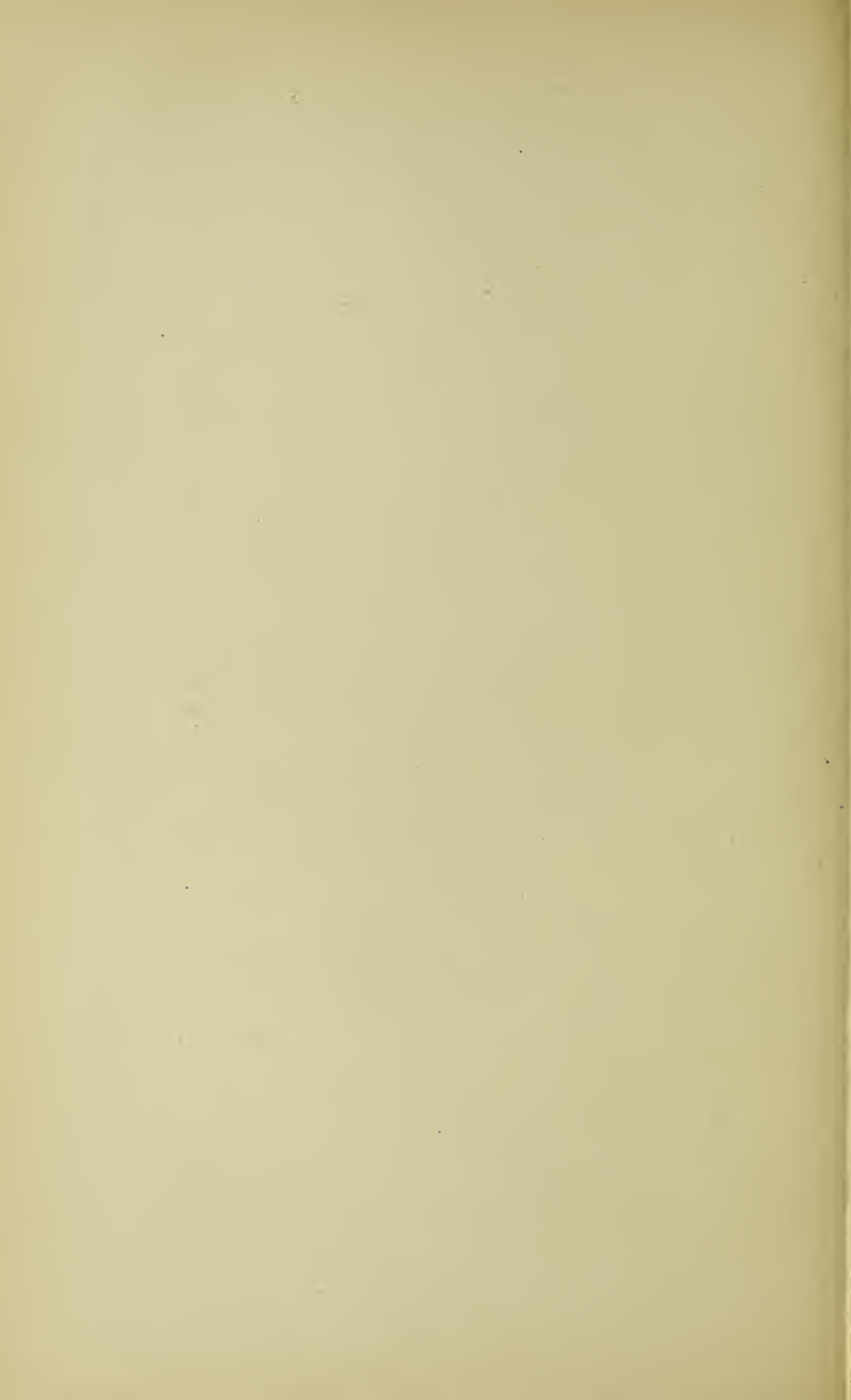
1881.

Feb. 5.	End of first half-year, Saturday.
June 5.	Sermon before Grad. Class Div. School, Sunday.
June 7.	Prize Speaking and Reading, Tuesday, P.M.
June 8.	Anniversary of the Divinity School, Wednesday.
June 12.	Baccalaureate Sermon, Sunday.
June 15.	Commencement, last Wednesday but one in June.
June 16.	Examination for Admission begins Thursday, 9 A.M.

SUMMER VACATION, FOURTEEN WEEKS.

Sept. 13.	Annual Meeting of the Board of Trustees.
Sept. 20.	Second Examination for Admission, Tuesday, 9 A.M.
Sept. 21.	Examination for Admission to the Divinity School.
Sept. 22.	College Year begins, Thursday morning.
Sept. 25.	Russell Lecture, Sunday, 4 P.M.

NOTE.—Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6, 7, 8, 9, 10, 11.30 A.M., 12.10, 3.30, 4.30, 5.15, 6, 6.30, 7.30 and 10.30 P.M. Return at 6.27, 7.20, 8.06, 9.22, 10.35 A.M., 1.35, 3.05, 3.35, 4.20, 5.02, 5.43, 6.35, 9.35 P.M. The College is four miles from Boston. Post-Office address, College Hill, Mass.



J. 3. 2. 1.

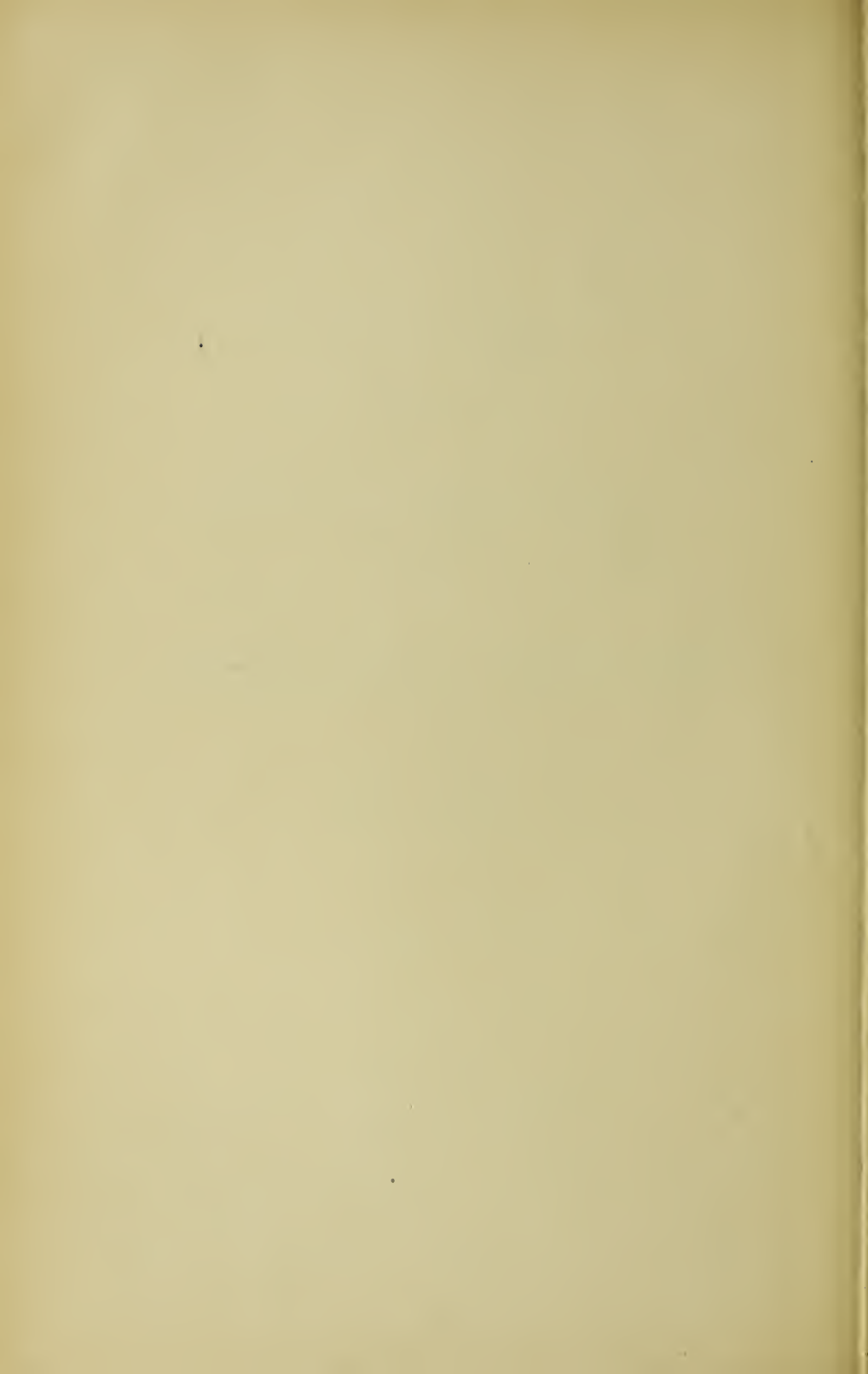
REC'D JAN 14

1882

A
CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1881-82.



BOSTON:
PRINTED BY SPOONER & CO.,
PROVINCE STREET.



TRUSTEES.

ISRAEL WASHBURN, JR., LL.D., *Portland, Me.*,

PRESIDENT.

HON. CHARLES ROBINSON, JR., *Newton,*

VICE-PRESIDENT.

THOMAS H. ARMSTRONG, A.M., *Boston,*

SECRETARY.

WILLIAM H. FINNEY, A.M., *Boston,*

TREASURER.

REV. ALONZO A. MINER, D.D., LL.D., *Boston.*

JAMES O. CURTIS, Esq., *Medford.*

REV. LUCIUS R. PAIGE, D.D., *Cambridge.*

HON. TIMOTHY T. SAWYER, *Boston.*

REV. ELMER H. CAPEN, D.D., *College Hill.*

NORMAN C. MUNSON, Esq., *Shirley Village.*

CHARLES G. POPE, A.M., *Somerville.*

ZEBULON L. WHITE, Esq., *Providence, R.I.*

CHARLES S. FOBES, A.M., *Portland, Me.*

CHARLES H. ROGERS, Esq., *Philadelphia, Pa.*

HON. HOSEA M. KNOWLTON, *New Bedford.*

REV. HENRY W. RUGG, *Providence, R.I.*

JOHN D. W. JOY, Esq., *Boston.*

REV. J. COLEMAN ADAMS, *Lynn.*

CHARLES WHITTIER, Esq., *Boston.*

REV. EDWIN C. BOLLES, D.D., *Salem.*

WILMOT L. WARREN, Esq., *Springfield.*

BYRON GROCE, A.M., *Boston.*

ARTHUR E. DENISON, Esq., *Cambridge.*

HON. HENRY B. PEIRCE, *Abington.*

HENRY D. WILLIAMS, A.M., *Boston.*

FRANK W. DRAPER, A.M., M.D., *Boston.*

HON. JOSEPH DAVIS, *Lynn.*

THOMAS G. FROTHINGHAM, Esq., *Boston.*

OFFICERS OF INSTRUCTION AND
GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, A.M.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, A.M.B., A.M.,
Professor of Physics and Astronomy.

MOSES T. BROWN, A.M.,
Professor of Oratory.

CHARLES E. FAY, A.M.,
Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,
Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

S. MINOT PITMAN, A.M.B.,
Professor of Chemistry.

GEORGE T. KNIGHT, A.M., B.D.,
Instructor in Rhetoric and Church History.

JEROME W. KLINGHAMMER, A.M.,
Walker Special Instructor in Mathematics.

ARTHUR MICHAEL,
Acting Professor of Chemistry.

WILLIAM R. SHIPMAN, A.M.,
Librarian.

FACULTY OF THE COLLEGE.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M.

JEROME SCHNEIDER, PH.D.

HEMAN A. DEARBORN, A.M., *Secretary.*

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, A.M.

AMOS E. DOLBEAR, A.M.B., A.M.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M.

CHARLES D. BRAY, C.E., A.M.

S. MINOT PITMAN, A.M.B.

JEROME W. KLINGHAMMER, A.M.

ARTHUR MICHAEL.

CANDIDATES
FOR THE DEGREE OF
MASTER OF ARTS.

Bates, Charles Clement, '73, *Barre, Vt.*
(*Greek and Latin.*)

Beckwith, Walter Parker, '76, *Adams.*
(*Philosophy and English Literature.*)

Farr, Theodore Parker, '78, *New Brunswick, N. J.*
(*Greek and Latin.*)

Hamilton, Frederick-William, '80, *Portland, Me.*
(*Philosophy and English Literature.*)

Harmon, George Milford, '67, B. D. '75, *Peabody.*
(*Philosophy and English Literature.*)

Monroe, Frank Pliny, '79, *Watertown, N. Y.*
(*German and Mathematics.*)

Presho, Edward Webb, '81, *Charlestown.*
(*French and German.*)

Stetson, Albert, '73, *Cohasset.*
(*Latin and Greek [Philology].*)

UNDERGRADUATES.

SENIOR CLASS.

Eveleth, Walter,	<i>Auburn, Me.,</i>	West Hall, 10.
Farrell, William,	<i>Stoughton,</i>	West Hall, 1.
Howe, Frank Herbert,	<i>Norway, Me.,</i>	West Hall, 1.
Howe, George Robley,	<i>Norway, Me.,</i>	Mrs. Philbrick's.
Lothrop, Thomas Whittier,	<i>Belfast, Me.,</i>	West Hall, 9.
Lovejoy, George Montgomery,	<i>Calais, Me.,</i>	West Hall, 9.
Peirce, Arthur Winslow,	<i>Arlington,</i>	West Hall, 6.
Rand, Frank Prescott,	<i>Hartland, Me.,</i>	Mr. Foster's.
Riley, Herbert Smith,	<i>Woburn,</i>	East Hall, 15.
Wood, Henry,	<i>North Easton,</i>	West Hall, 7.

JUNIOR CLASS.

Bicknell, Charles Loring,	<i>Auburn, Me.,</i>	West Hall, 12.
Currier, Nathan,	<i>Enfield, N. H.,</i>	West Hall, 11.
Edwards, Hubert Foote,	<i>College Hill,</i>	West Hall, 4.
Gerould, Charles Walter,	<i>Chicago, Ill.,</i>	West Hall, 6.
Mayberry, Charles Bradford,	<i>Weston,</i>	West Hall, 3.
Pease, Frank Herbert,	<i>Parsonsfield, Me.,</i>	West Hall, 11.
Perry, Oscar Hoyt,	<i>Wayland,</i>	East Hall, 31.
Puffer, Charles Hunnicutt,	<i>Stafford, Conn.,</i>	East Hall, 31.
Pushaw, Frank Leslie,	<i>Washington, D. C.,</i>	West Hall, 8.
Snow, Frederic Elmer,	<i>Newark, N. J.,</i>	West Hall, 12.
Spratt, Frank Allen,	<i>W. Corinth, Me.,</i>	West Hall, 8.
Ward, Winfield Scott,	<i>Woburn,</i>	West Hall, 3.

 SOPHOMORE CLASS.

Ballou, William Martin,	<i>Boston,</i>	Mid. Hall, 8.
Beal, Albert Asahel,	<i>Rockland,</i>	Mid. Hall, 9.
Dana, Alston William,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Darling, Charles Hial,	<i>Woodstock, Vt.,</i>	East Hall, 22.
Day, Elias Elwell,	<i>Gloucester,</i>	Mid. Hall, 7.
Fynn, Arthur John,	<i>Salisbury, N. Y.,</i>	East Hall, 27.
Kendall, Fred Oliver,	<i>S. Woodstock, Vt.,</i>	East Hall, 22.
Marvin, Winthrop Lippitt,	<i>Portsmouth, N. H.,</i>	West Hall, 4.
Paige, Charles Sewell,	<i>Weare, N. H.,</i>	Mid. Hall, 9.
Priest, Ira Allen,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Quinn, Edward Nathaniel,	<i>Waltham,</i>	Mid. Hall, 7.
Spear, Charles Francis,	<i>Woburn,</i>	Mid. Hall, 11.
Start, Edwin Augustus,	<i>Cambridge,</i>	West Hall, 2.
Stevens, Charles Plimpton,	<i>Norwood,</i>	Mid. Hall, 11.
Wright, Philip Green,	<i>Medford,</i>	Mid. Hall, 8.

FRESHMAN CLASS.

Atwell, Edwin Metcalf,	<i>Jersey City, N. J.,</i>	West Hall, 10.
Bennett, John Corliss,	<i>Gloucester,</i>	East Hall, 11.
Borden, Charles Fox,	<i>Albion, N. Y.,</i>	West Hall, 7.
Colton, David Bigelow,	<i>Fairhaven, Vt.,</i>	East Hall, 18.
Crosby, Isaac Wellington,	<i>Charlestown,</i>	West Hall, 16.
Crosby, James Wellington,	<i>Charlestown,</i>	West Hall, 16.
De Coster, Harry Allison,	<i>Buckfield, Me.,</i>	East Hall, 30.

French, Elmer Ellsworth,	<i>Porter, Me.,</i>	East Hall, 30.
Gould, William Hilton,	<i>E. Turner, Me.,</i>	Mr. Taylor's.
Griswold, Dwight,	<i>Middleville, N. Y.,</i>	East Hall, 27.
Holden, James Harry,	<i>Middlesex, Vt.,</i>	East Hall, 10.
Hutchings, Joseph Henry,	<i>Woburn,</i>	West Hall, 3.
Lawrence, Abbott Waldron,	<i>Chelsea,</i>	East Hall, 18.
Macdonald, Theodore Burton,	<i>Mayport, Fla.,</i>	East Hall, 10.
Mendum, Samuel Warren,	<i>Dorchester,</i>	East Hall, 11.
Stewart, William Bell,	<i>Ft. Edward, N. Y.,</i>	Miss Mellen's.
Taylor, Fred Allan,	<i>College Hill,</i>	Mr. Taylor's.
Taylor, Herbert Edgar,	<i>College Hill,</i>	Mr. Taylor's.
Woodbury, William Richardson,	<i>Melrose,</i>	West Hall, 2.

SPECIAL STUDENT.

Manning, Charles Bolles, 2nd,	<i>Rockport,</i>	Pres. Capen's.
-------------------------------	------------------	----------------

DEPARTMENT OF ENGINEERING.

SECOND CLASS.

Cardenas, Felipe,	<i>Saltillo, Mexico,</i>	Mrs. Brown's.
Pearson, Fred Stark,	<i>College Hill,</i>	Mrs. Pearson's.
Smith, Frank Ellwood,	<i>Franklin,</i>	West Hall, 13.

FIRST CLASS.

Bueno, Francisco da Cunha,	<i>S. Paulo, Brazil,</i>	Mr. Perkins's.
Ribeiro, Amaro Araujo,	<i>S. Paulo, Brazil,</i>	Mr. Perkins's.
Smith, George Rufus,	<i>College Hill,</i>	Mr. Smith's.

ADMISSION
TO THE
REGULAR COLLEGE COURSE.

Applicants for admission must produce certificates of good moral character. If they come from other colleges, certificates also of their regular dismissal are required.

For admission to the Freshman Class, an examination must be well sustained in the following studies :

Latin.—I. Ovid's *Metamorphoses*, the first twelve selections of Allen and Greenough's edition, or an equal amount, (2500 lines) ; six books of Virgil's *Æneid*; four books of Cæsar's *Gallie War*; seven *Orations* of Cicero, including the *Manilian Law*; Allen and Greenough's, or Harkness's *Grammar*, including *Prosody*; Allen's, or Harkness's *Latin Composition* to Part III : or, as an alternative,

II. 1. Cæsar, *Gallie War*, Books I-IV (or I-III and Sallust's *Catiline*), with questions on the subject-matter and on grammar ; Virgil, *Æneid* I-VI (or I-V and *Eclogues*), with questions on the subject-matter and on *Prosody*.

2. Translation at sight of average passages of Cæsar, with general questions on grammar, history, and antiquities suggested by the passages set ; translation into Latin of simple English sentences, to test the candidate's practical knowledge of grammar.

3. Cicero, *Orations* against *Catiline*, and for *Archias*, with questions as in 1.

4. Translation at sight of average passages of Cicero's *Orations*, with questions as in 2 ; translation at sight of average passages of the *Æneid*, and of Ovid's *Metamorphoses*, with questions on *Prosody*.

5. Translation into Latin of a passage of English narrative, based upon some portion of the prescribed prose.

Greek.—I. Three books of Homer's Iliad ; four books of Xenophon's Anabasis ; Hadley's, Crosby's, Curtius's, or Goodwin's Greek Grammar, including Prosody ; writing Greek with the Accents ; or, as an alternative,

II. Translation at sight of easy passages of the Anabasis and of average passages from the Iliad (with a vocabulary of the less used words), in place of the quantity requisition in Xenophon and Homer ; Prose Composition as in I.

Mathematics.—Arithmetic, with the Metric System ; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents ; Plane Geometry.

Geography and History.—Outlines of Ancient Geography ; Modern Geography ; Smith's Smaller History of Greece, to the death of Alexander ; Leighton's, or Smith's History of Rome.

English Grammar and Composition.—Spelling ; Punctuation ; Structure of Sentences ; Correct Use of Words ; Clearness of Expression. The examination will consist,—
1. in writing a short composition on a subject assigned ;
2. in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature, as follows :

For 1882—Shakespeare's Othello ; Goldsmith's Vicar of Wakefield, and Deserted Village ; Scott's Bride of Lammermoor.

For 1883—Shakespeare's Julius Cæsar ; the De Coverly papers in the Spectator ; Macaulay's Addison ; Thackeray's Henry Esmond ; Scott's Marmion.

For 1884—Shakespeare's Merchant of Venice ; Thackeray's Henry Esmond ; Scott's Lady of the Lake ; Carlyle's Burns ; Burns's Cotter's Saturday Night.

All the books named for a given year are to be read by each candidate, and from some one of them subjects will be assigned at the time of examination.

In addition to the use of the text-book, it is recommended that pupils be accustomed, from the beginning of the preparatory course, to translate into Latin and Greek, both orally and in writing, passages prepared by the teachers on the basis of the prose authors read.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A.M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through which such class has passed, but no person will be admitted after the beginning of the Senior year.

To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman Class one year later, may present themselves for a preliminary examination, if prepared on not less than nine of the seventeen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the seventeen, Latin represents six subjects, Greek four, Mathematics three, Geography one, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin.—Livy (Chase & Stuart's); Cicero de Senectute (Reid's); Horace, Odes and Epodes (Chase & Stuart's); Harkness's Latin Composition, Part III., with Extempore Exercises.

Four hours a week for the year.

Roman History.—Liddell; Rawlinson's Manual; Ramsay's Elementary Manual of Roman Antiquities, with Illustrated Lectures; Lectures on the History of the Latin Language and Literature.

Two hours a week for the year.

Greek.—Xenophon; Herodotus; Thucydides; Homer's Odyssey; Dialects; Prose Composition; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

Mathematics.—Newcomb's Algebra; Wentworth's Solid and Spherical Geometry; Wheeler's Trigonometry.

Four hours a week for the year.

Oratory.—Declamations; Lectures.

Two hours a week for second half year.

Rhetoric.—Three Themes.

SOPHOMORE CLASS.

Latin.—Horace, Satires and Epistles; Cicero de Amicitia (Reid's); Germania and Agricola of Tacitus (Chase & Stuart's); Translations into Latin from Liddell's History of Rome, with Extempore Exercises.

Four hours a week for first, three for second half year.

French.—Macmillan's Fasnacht's Grammar; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

Greek I. — The Orators ; Prose Composition.

Four hours a week for first half year.

Greek II. — The Dramatists ; Study of Metres.

Optional, three hours a week for second half year.

Natural History. — Huxley and Youman's Physiology.

Optional, as an alternate with Greek II.

Physics. — Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Mathematics. — Bowser's Analytic Geometry ; Applications of Trigonometry ; Olney's Geometry, Part III.

Four hours a week for first half year.

Oratory. — Lectures ; Declamations.

Two hours a week for second half year.

Rhetoric. — A. S. Hill's ; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

German. — Theoretical Grammar in Lectures, with Whitney's for reference ; Eysenbach's Practical Grammar ; Zschokke, Der todte Gast.

Six hours a week for first half year.

Physics. — Ganot's, Heat, Light, Electricity, Physical Geography ; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Chemistry I. — Theoretical, with Lectures.

Three hours a week for first half year.

Chemistry II. — Descriptive, with Laboratory Practice.

Optional, four times a week for second half year.

English Literature. —

Optional, as an alternate with Chemistry II.

Logic. — Jevons's.

Three hours a week for second half year.

Natural History. — Botany, Gray's Lessons and Manual ; Zöology, Nicholson's, commenced.

Four hours a week for second half year.

Rhetoric. — Six Themes.

Also, three hours a week for the first half year and two for the second, in one of the following

ELECTIVE STUDIES :

Greek. — Plato.

Latin. — Juvenal ; Cicero.

German. — Goethe, Hermann und Dorothea ; Schiller, Maria Stuart.

French. — Dramatists of the Classic Period ; Modern Novelists ; Chardenal's Advanced Exercises.

Rhetoric. — Analysis of Speeches.

Physics. — Investigations in the Laboratory ; Projection with sunlight and lantern ; Physical Manipulations, Pickering ; Sound, Stone ; Spectroscope, Lockyer ; Projection, Dolbear.

Chemistry. — Qualitative Analysis ; Wurtz, Histoire des Doctrines Chimiques, first half year : Qualitative Analysis ; Manufacture of Chemicals, with Laboratory Work ; Metallurgy of Iron and Steel, second half year.

Engineering. — Descriptive Geometry ; Drafting.

Mathematics. — Differential and Integral Calculus.

Oratory. — Special Drill in Reading and Declamation.

SENIOR CLASS.

Natural History. — Zöology, Nicholson's, completed ; Geology, Dana's, with Lectures ; Mineralogy, with Lectures and Blow-pipe Analysis.

Four hours a week for first half year.

Moral Philosophy. — Calderwood's Moral Science, with Lectures on Christian Evidences.

Four hours a week for first half year.

Political Economy. — Fawcett's, with Lectures.

Four hours a week for second half year.

Mental Philosophy. — Porter's Human Intellect.

Four hours a week for second half year.

Rhetoric. — Six Themes.

Also, six hours a week for the year in two of the following

ELECTIVE STUDIES :

Jurisprudence. — Ancient Law ; Roman Law ; International Law ; Constitutional Law ; Lectures.

English Literature ; Logic ; Metaphysics.

Greek, Latin, French, or German Literature.

Italian. — Sauer's Grammar ; Manzoni, I Promessi Sposi.

Mathematics. — Geometry of Three Dimensions ; Mechanical and Architectural Drawing ; Salmon's Conic Sections ; Advanced Mathematics.

Chemistry. — Quantitative Analysis ; Animal and Vegetable Chemistry ; Metallurgy, with the assaying of Lead, Copper, Gold, and Silver ; Meyer, die modernen Theorien der Chemie.

Physics. — Natural Philosophy, Thomson and Tait ; Heat, Maxwell ; Electricity, Jenkin, Cummings ; Investigations in the Physical Laboratory, Spottiswood, Pickering.

Natural History. — Biology, Huxley and Martin's, with Practical Work in the Laboratory, first half year ; Mineralogy, Blow-pipe Analysis. Qualitative and Quantitative. second half year.

Engineering. — Topographical Surveying and Drawing ; Steam Engine.

Oratory. — Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course of instruction, prepared for those who enter for the degree of Bachelor of Philosophy, occupies four years. It includes all the studies of the Regular Course, except Greek, requires additional French and German, and offers an opportunity of pursuing certain elective studies to a greater extent.

The requisitions for admission are the same as for the Regular Course, with the omission of Greek, and the addition of French, as follows : all of Otto's Grammar, or Macmillan's Fasnacht's Progressive French Course ; the first fifteen chapters of Lacombe's *Petite Histoire du Peuple Français*.

COURSE OF STUDY.

This course is the same as the foregoing (pp. 14-17), with the omission of Greek, and with the following variations :

In the Freshman year,

French. — Dramatists of the Classic Period ; Modern Novelists ; Chardenal's Advanced Exercises.

Three hours a week for first, four for second half year.

Rhetoric. — A. S. Hill's ; Three Themes.

Four hours a week for first half year.

In the Sophomore year,

German. — Theoretical Grammar in Lectures, with Whitney's for reference ; Eysenbach's Practical Grammar ;

Zschokke, Der todte Gast; Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

Six hours a week for first, three for second half year.

Rhetoric. — Six Themes.

Also, two hours a week for the first half year and three for the second, in one of the following

ELECTIVE STUDIES :

Chemistry, — with Lectures and Laboratory Practice.

Physics. — Work in the Physical Laboratory.

Engineering. — Descriptive Geometry; Drawing.

Rhetoric. — Analysis of Speeches.

In the Junior year,

German. — Vilmar, Geschichte der deutschen Literatur; Schiller, Wallenstein.

Three hours a week for first half year.

And six hours for the half year are divided between two of the specified Elective subjects.

ENGINEERING COURSE.

This course, extending through three years, is established for those who enter for the degree of Civil Engineer.

The requisitions for admission are Mathematics, Modern Geography, English Grammar and Composition, the same as for the Regular Course (p. 12).

A fourth year of study is provided for those graduate Engineers who wish to take up work in some branch of Engineering and in other departments of the College.

Students of the Regular and Philosophical courses may so arrange the elective work as to make it possible to obtain the degree of Civil Engineer after a post-graduate course of one year in this department.

COURSE OF STUDY.

FIRST YEAR.

Mathematics. — Newcomb's Algebra ; Wentworth's Solid and Spherical Geometry ; Wheeler's Trigonometry.

Four hours a week for the year.

Descriptive Geometry ; Shades and Shadows ; Perspective.

Four hours a week for first, two for second half year.

Surveying. — Theory, with Elementary Practice ; Compass Surveys.

Three hours a week for first half year.

Physics — Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Chemistry. — Theoretical, with Lectures.

Three hours a week for first half year.

French. — Macmillan's Fasnacht's Grammar ; Lacombe, Petite Histoire du Peuple Français.

Six hours a week for second half year.

Drawing. — Plotting ; Orthographic Projection.

Four hours a week for first, two for second half year.

SECOND YEAR.

Mathematics I. — Bowser's Analytic Geometry ; Applications of Trigonometry ; Olney's Geometry, Part III.

Four hours a week for first half year.

Mathematics II. — Differential and Integral Calculus.

Three hours a week for the year.

Mechanics. — General and Applied, with Lectures on Construction.

Three hours a week for the year.

Steam Engine. — Theory and Construction.

Four hours a week for second half year.

Topography. — Field Work, and Drawing.

Four hours a week for first, six for second half year.

Physics. — Ganot's, Heat, Light, Electricity, Physical Geography; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

THIRD YEAR.

Mathematics. — Differential and Integral Calculus.

Three hours a week for the year.

Mechanics. — Applied Mechanics.

Two hours a week for first, three for second half year.

Civil Engineering. — Strength of Materials; Stability of Structures of Stone, Wood, and Iron; Drainage and Sewerage; Hydraulics.

Three hours a week for first, five for second half year.

Road Engineering. — Surveys and Estimates.

Three hours a week for first half year.

Drawing. — Structures and Machines.

Six hours a week for the year.

Natural History. — Mineralogy, Blow-pipe Analysis.

Four hours a week for the year.

Preparation of Thesis.

ELECTIVE STUDIES.—The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives requisite to fill this programme, extra electives may be taken, if, in the judgment of the Faculty, they can be profitably pursued. Choice of electives for any half-year must be indicated in writing not later than the last Saturday of the preceding half-year. New elections may be made at such other times as are prescribed in the several departments.

EXAMINATIONS.—Frequent written reviews are held, and written examinations of all the classes at stated intervals, and on completion of studies.

RELIGIOUS OBSERVANCES.—All resident students are required to attend morning prayers, and the reading of the scriptures in the Chapel.

All resident students are required to attend public worship on Sundays, in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who, on the application of their parents and guardians, have been permitted for reasons of conscience to attend regularly at a church of their own denomination.

RUSSELL LECTURE.—The Russell Lecture, established in accordance with a bequest of the late Hon. James Russell of Arlington, is delivered before the Trustees, Faculty, and Students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.—The Library, containing about 19,000 volumes and 7,000 pamphlets, is open to members of the College, both for consultation and for the drawing of books, from 9.30 to 5 on weekdays, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND.—The income of a fund of twelve hundred dollars, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

EXPENSES.

College Charges, (Tuition, Care of Rooms, Incidentals,) per year,	\$100.00	\$100.00
Half Room Rent, from \$15.00 to \$50.00, per year,	15.00	50.00
Board, \$3.00 per week,	117.00	117.00
Total,	\$232.00	\$267.00

While the College Charges are as above stated, one hundred dollars per year, the College is, practically, free to those whose circumstances necessitate it.

Students board in commons at \$3.00 per week ; in private families at \$3.00 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March ; the second is made immediately after Commencement, and is payable on the first day of the following College year, but the second bill of the Senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

Scholarships in the gift of the College are as follows :

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FOUR HOWLAND SCHOLARSHIPS, of *one hundred dollars* each, established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M.D., of Newport, R. I.

THE PERKINS SCHOLARSHIP, of *sixty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N. Y., by a donation of one thousand dollars.

ONE OTHER, of *sixty dollars*, established by the conversion of the Loan Fund, of one thousand dollars, to that purpose.

THE GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood, of Malden, given to such student as shall have made the best attainments in Oratory.

THREE PRIZE SCHOLARSHIPS OF NATURAL HISTORY, income of a special fund, which are given to such competitors as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated.

PACKARD FREE SCHOLARSHIPS.—“Ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from or leave the College, others are selected to take their places.”

In addition to the foregoing, PRIZE SCHOLARSHIPS are established in connection with the following Preparatory Schools: Dean Academy, Westbrook Seminary, Goddard Seminary, and Perkins Academy. One such scholarship is open to competition annually in each of these schools, and will be awarded to the student of highest attainment, who, during an attendance of not less than two years in the school from which he presents himself, has attained eighty per cent. in all the studies of his preparatory course, and who has answered correctly at least seventy-five per cent. of all the questions proposed by the Faculty for admission to college. The amount of a scholarship is *one hundred and twenty-five dollars* a year, and the student to whom one is awarded shall be entitled to receive it during the four years of his college course, provided that he takes rank and holds it in the upper third of his class, and provided that his conduct shall commend itself in all respects to the Faculty. In all cases the Faculty shall be judges of the per cent. attained by students.

These awards are made by the Board of Trustees on the recommendation of the Faculty. When voted, except the Packard Free Scholarships and the Preparatory School Prize Scholarships, they are understood to cover the College year just ended; but the obtaining of a scholarship for one year does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year; that of the Bell-ringer, *one hundred dollars*.

Applications for Scholarships and other aids must be made to the Faculty on or before the first day of June; and, if the applicant be a minor, must be sanctioned by his parent or guardian. No one need apply who has not made satisfactory progress, or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the Academical year, four prizes of *fifteen dollars* each are assigned from the Goddard Prize Fund, as follows :

A Prize for the best Dissertation, by a member of the Senior Class, on the following subject : “The English Land Question.”

A Prize for the best Examination in Plato’s Symposium, or the Clouds of Aristophanes, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of three Sections of Chapter XXIII. in Liddell’s History of Rome, beginning with the seventh.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President’s office by the 1st of May, in sealed envelopes, accompanied by sealed letters containing the authors’ names.

Six other Prizes from the same fund are assigned as follows :

Two Prizes, of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two Prizes, of *twenty* and *ten dollars* respectively, to members of the Junior Class, for the best exhibition of improvement and skill in Elocution.

Two Prizes, of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for Reading and Declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

Two Prizes, of *thirty* and *twenty dollars* respectively, are awarded for the best entrance Examinations. To receive either the candidate must pass in all the subjects required for admission to college, and must be admitted without conditions. These prizes are payable at the end of the first half year in college.

PACKARD PRIZES.—In accordance with a provision of the will of the late Sylvanus Packard, ten Prizes, of *twenty dollars* each, are annually awarded to as many students who rank highest in scholarship and good behavior.

The foregoing Prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

AWARDS FOR 1881.

For Examination in Mathematics.

TO PHILIP GREEN WRIGHT, of the Freshman Class.

For Latin Prose.

First Prize to OSCAR HOYT PERRY, Second Prize to FRANK HERBERT PEASE, of the Sophomore Class.

Greenwood Prize-Scholarship.

TO EDMUND WILSON POWERS, of the Senior Class.

Natural History Prize-Scholarships.

TO LEE SULLIVAN MCCOLLESTER, in the department of Zoölogy ; and to CHARLES GALE LEONARD and FRANK LESLIE BURT, in the department of Botany.

For Reading.

TO EDMUND WILSON POWERS and CHARLES GALE LEONARD, of the Senior Class.

For Declamation.

TO WILLIAM FARRELL and GEORGE MONTGOMERY LOVEJOY, of the Junior Class ; and to CHARLES HUNNICUTT PUFFER and FRANK LESLIE PUSHAW, of the Sophomore Class.

Packard Prizes.

TO FRANK LESLIE BURT, IRVING SHERRURNE COOK, LEE SULLIVAN MCCOLLESTER, and EDMUND WILSON POWERS, of the Senior Class ; CHARLES LORING BICKNELL, NATHAN CURRIER, CHARLES WALTER GEROULD, and WINFIELD SCOTT WARD, of the Sophomore Class ; EDWIN AUGUSTUS START, of the Freshman Class ; and to GEORGE KING MILLIKEN, of the Third Engineering Class.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any Senior of the Regular Course, or of the Philosophical Course, who shall have complied with the following conditions : 1. He must have excelled in the required work of the study in which he desires honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examinations on them with distinction. 3. He must pass an examination before a committee of the Faculty on as much extra work in the study in which he desires honors as would be equal to two hours a week for a year. This examination may be either oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows : I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. Philosophy, VI. Modern Languages, VII. Classics.

A student is expected to apply for honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of honors, as well as the department, will be mentioned in the diploma and printed in the Catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such graduates of the Regular Course, and of the Philosophical Course, as shall pursue during a residence of not less than one year, and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A. B. and B.Ph. are given by Tufts College.

BOARDS OF VISITORS.

COLLEGE OF LETTERS.

REV. H. I. CUSHMAN, *Chairman*.

THOS. H. ARMSTRONG, A.M.

BYRON GROCE, A.M.

REV. C. J. WHITE, A.M.

L. L. DAME, A.M.

Z. L. WHITE.

REV. HENRY BLANCHARD, A.M.

REV. E. C. BOLLES, D.D.

REV. C. H. EATON.

DIVINITY SCHOOL.

REV. H. W. RUGG, *Chairman*.

REV. J. COLEMAN ADAMS.

REV. C. W. BIDDLE.

REV. G. M. HARMON.

REV. J. K. MASON.

REV. M. H. HARRIS.

REV. OSCAR F. SAFFORD.

DIVINITY SCHOOL.

FACULTY.

REV. ELMER H. CAPEN, D.D., PRESIDENT.

REV. THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

REV. CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

REV. GEORGE T. KNIGHT, A.M., B.D.,
Instructor in Rhetoric and Church History.

MOSES T. BROWN, A.M.,
Professor of Oratory.

REV. EDWIN C. BOLLES, D.D.,
Lecturer on the Need and Value of Science to the Minister.

REV. CHARLES W. BIDDLE,
Lecturer on Practical Phases of the Ministry.

REV. GEORGE H. EMERSON, D.D.,
Lecturer on Biblical History.

STUDENTS.

FIRST YEAR.

Bailey, Charles Reuben,	<i>Piermont, N. H.,</i>	West Hall, 22.
Cutler, Julian Stearns,	<i>Deering, Me.,</i>	West Hall, 27.
Frost, Jonathan Burwell,	<i>Cardington, O.,</i>	West Hall, 29.
Kimball, Arthur Dorman,	<i>Rochester, N. H.,</i>	West Hall, 32.
Nutter, Clarence Irving,	<i>Rochester, N. H.,</i>	West Hall, 22.
Robbins, Wentworth Brooks,	<i>New York, N. Y.,</i>	West Hall, 4.

SECOND YEAR.

Bartholomew, John May, A.B.,	<i>Franklin,</i>	West Hall, 13.
Hall, Frank Oliver,	<i>Vallejo, Cal.,</i>	West Hall, 27.
McCollister, Sullivan Lee, A.B.,	<i>Marlboro, N. H.,</i>	West Hall, 21.
Tomlinson, Vincent Eaton, B. S.,	<i>Akron, O.,</i>	West Hall, 21.
<i>(Buchtel.)</i>		

THIRD YEAR.

Darling, Olney Inman,	Warren,	West Hall, 24.
Dusseault, William,	Somerville,	West Hall, 28.
Eastman, John Putney,	Manchester, N. H.,	West Hall, 28.
Knickerbocker, Charles Arthur,	Wayne, Mich.,	West Hall, 25.
Rice, Clarence E.,	Watertown, N. Y.,	West Hall, 24.
White, Rufus Austin,	Towanda, Pa.,	West Hall, 25.

FOURTH YEAR.

Hoyt, Ezra Almon,	Rumford, Me.,	West Hall, 26.
-------------------	---------------	----------------

RESIDENT GRADUATE.

Scoboria, Joseph Lower, B.D.,	Somerville,	West Hall, 24.
-------------------------------	-------------	----------------

A D M I S S I O N
TO THE
T H E O L O G I C A L C O U R S E .

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the day preceding the first day of the academic year.

Bachelors of Arts are admitted without examination. Other candidates must have received a good English education, and it is desirable that they should have some knowledge of the Latin and Greek languages.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology, shall take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid so extensive preparation. To meet the wants of

such, and yet provide for thorough training and comprehensive development, a four years course has been instituted. It is not to be expected that this will prove a full equivalent of a collegiate and a professional course combined, but it permits the introduction of branches not strictly professional, yet of a fundamental character, and of the highest disciplinary value. There can be no doubt of the advantage of pursuing such branches where they are made to point continually to professional uses. It is believed that four years spent in a single institution, where the studies are made to succeed each other in logical order, and with constant reference, and in due subordination, to the requirements of the profession, must be more profitable than any other possible disposition of the time. Thus, not only is time, that important factor in education, gained, but it becomes possible to utilize the whole energy of the student, and to give a practical direction and a new impetus to all of his efforts. This course is therefore recommended to all who cannot avail themselves of a preparatory collegiate education.

COURSE OF STUDY.

FIRST YEAR.

Rhetoric. — Principles of Effective Speech; Rhetorical Analysis; Themes.

Biblical Archæology.

Logic.—Psychological Data; Concepts and Propositions; Deduction.

Greek Language.

History.—Biblical History and Geography.

German Language.

Old Testament.—General Introduction; Critical Readings; Exegetical Essays.

Hebrew Language.

SECOND YEAR.

The Greek of the Gospels.

Rhetoric.—Studies in English Oratory; Analysis of Arguments.

Logic.—Induction; Definition; Logic of the Sciences; Fallacies.

Psychology.—The Intellect; Historical Statement of the Leading Questions of Mental Philosophy.

German Language.

History.—Ancient and Modern Church History.

New Testament.—Introduction to Study of the Gospels; Principles of Interpretation; Exegesis; Exegetical Essays.

Homiletics.—History of Preaching; Analysis of the Sermon.

THIRD YEAR.

Psychology.—The Will; The Moral Nature; Ethical Theories; Christian Ethics.

History.—History of Doctrines.

Exegesis.—Study of Selected Epistles; Exegetical Essays.

Theology.—Systematic Theology.

Homiletics.—Study of Sermons; Composition and Delivery of Sermons.

Christian Evidences.

FOURTH YEAR.

Theology.—Systematic and Comparative; Distinctive Doctrines of Universalism.

Natural Theology.—Theistic Arguments; Special Studies with reference to the Evidences of Order and Design; Analogy of Nature and Religion; Relations of Science and Christianity.

Homiletics.—Composition and Delivery of Sermons; Practice in Extemporaneous Speaking.

Church Government.—Polity; Membership and Offices of the Church.

Pastoral Theology.—Pastoral Care; Ordinances of Worship; Systematic Beneficence; the Christian Spirit and Life.

ESSAYS AND SERMONS.—In each department of study, students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class. Criticisms in public and private.

EXAMINATIONS.—Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

ELECTIVE STUDIES.—Graduates, undergraduates sufficiently advanced, and other persons desirous of pursuing special studies, may receive instruction in Theology, Philosophy, Homiletics, General History, and Literature. Students are also permitted to attend lectures in the Academical department, subject, however, to the discretion of the Faculty.

DEVOTIONAL EXERCISES.—Devotional services are held daily in the chapel; also, weekly evening meetings for conference and prayer.

SOCIETIES.—There are two literary associations open to students, one organized from the side of the Academical department, the other from the side of the Theological department. These societies hold weekly meetings for literary criticisms, debates, orations, etc.

LIBRARIES.—Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

GENERAL FACILITIES.—Important facilities for general improvement are offered to students by the proximity of the school to such intellectual centres as Boston and Cambridge. Valuable

libraries and cabinets are made accessible. Elaborate courses of lectures on scientific, social, and literary subjects, are presented to the public from time to time. The most noted divines of New England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES, DEGREES, ETC.—The Full Course occupies three years for Bachelors of Arts; for all others, four years. The Special Courses occupy respectively, one, two, and three years. Diplomas certifying to attainments are conferred upon those who have taken one of the Special Courses. The Degree of BACHELOR OF DIVINITY is conferred upon those who sustain satisfactorily an examination upon the studies of the Full Course.

ROOMS AND EXPENSES.—The rooms assigned to the Divinity Students are in the West Hall, recently built, and are large, well-ventilated apartments. Each study is provided with suitable furniture; and the bed-room adjoining each study is furnished with bedstead, bureau, etc.

Tuition, room-rent, and use of furniture, free. Board, about three dollars per week. The necessary school expenses, including board, washing, fuel, light, text-books, etc., will not exceed two hundred dollars per year.

The General Convention of Universalists aids students by a system of loans; and those in the regular course who have shown sufficient maturity, are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

THE GREENWOOD SCHOLARSHIP.—The income of one thousand dollars will be given as a Prize-Scholarship to some member of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

AWARDS.—This Prize-Scholarship for the year 1879-80 was awarded to WARREN L. PERKINS; for the year 1880-81, to DAVID LEE MAULSBY.

CALENDAR.

1881.

Sept. 22.	Term begins,	Thursday morning.
Sept. 25.	Russell Lecture,	Sunday 4 P. M.
Dec. 21.	Recess begins,	Wednesday noon.

1882.

Jan. 3.	Recess ends,	Tuesday evening.
Feb. 4.	End of first half-year,	Saturday.
June 11.	Sermon before Grad. Class Div. School,	Sunday.
June 13.	Prize Speaking and Reading,	Tuesday, P.M.
June 14.	Anniversary of the Divinity School,	Wednesday.
June 18.	Baccalaureate Sermon,	Sunday.
June 21.	Commencement, third Wednesday in June.	
June 22.	Examination for admission begins,	Thursday, 9 A.M.

SUMMER VACATION, THIRTEEN WEEKS.

Sept. 12.	Annual meeting of the Board of Trustees.	
Sept. 19.	Second Examination for Admission,	Tuesday, 9 A.M.
Sept. 20.	Examination for Admission to the Divinity School.	
Sept. 21.	College Year begins,	Thursday morning.
Sept. 24.	Russell Lecture,	Sunday, 4 P.M.

NOTE.—Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6.45, 7.30, 9, 10, 11.30 A.M., 12.10, 3.15, 4.30, 5.10, 6, 6.30, 7.30, 9.30, and 11.20 P.M. Return at 6.14, 6.49, 7.20, 8.06, 9.22, 10.35 A.M., 1.35, 3.05, 3.35, 4.20, 5.02, 5.43, 6.34, 8.49, and 10.35 P.M. The College is four miles from Boston. Post-Office address, College Hill, Mass.

C
F81H
1882/83
cop. 2.

A
CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1882-83.

BOSTON:
PRINTED BY SPOONER & CO.,
PROVINCE STREET.

TRUSTEES.

ISRAEL WASHBURN, JR., LL.D., *Portland, Me.*,

PRESIDENT.

HON. CHARLES ROBINSON, JR., *Newton*,

VICE-PRESIDENT.

THOMAS H. ARMSTRONG, A. M., *Boston*,

SECRETARY.

WILLIAM H. FINNEY, A. M., *Boston*,

TREASURER.

REV. ALONZO A. MINER, D.D., LL.D., *Boston*.

JAMES O. CURTIS, Esq., *Medford*.

REV. LUCIUS R. PAIGE, D.D., *Cambridge*.

HON. TIMOTHY T. SAWYER, *Boston*.

HON. NEWTON TALBOT, *Boston*.

REV. ELMER H. CAPEN, D.D., *College Hill*.

NORMAN C. MUNSON, Esq., *Shirley Village*.

CHARLES G. POPE, A.M., *Somerville*.

ZEBULON L. WHITE, Esq., *Providence, R.I.*

CHARLES S. FOBES, A.M., *Portland, Me.*

CHARLES H. ROGERS, Esq., *Philadelphia, Pa.*

HON. HOSEA M. KNOWLTON, *New Bedford*.

REV. HENRY W. RUGG, *Providence, R.I.*

JOHN D. W. JOY, Esq., *Boston*.

REV. J. COLMAN ADAMS, *Lynn*.

CHARLES WHITTIER, Esq., *Boston*.

REV. EDWIN C. BOLLES, D.D., *Salem*.

WILMOT L. WARREN, Esq., *Springfield*.

BYRON GROCE, A.M., *Boston*.

ARTHUR E. DENISON, Esq., *Cambridge*.

HON. HENRY B. PEIRCE, *Abington*.

HENRY D. WILLIAMS, A.M., *Boston*.

FRANK W. DRAPER, A.M., M.D., *Boston*.

HON. JOSEPH DAVIS, *Lynn*.

THOMAS G. FROTHINGHAM, Esq., *Boston*.

WILLIAM OSCAR CORNELL, Esq., *Providence, R.I.*

OFFICERS OF INSTRUCTION AND
GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, D.D.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, A.M.B., A.M.,
Professor of Physics and Astronomy.

MOSES T. BROWN, A.M.,
Professor of Oratory.

CHARLES E. FAY, A.M.,
Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,
Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

GEORGE T. KNIGHT, A.M., B.D.,
Instructor in Rhetoric and Church History.

JEROME W. KLINGHAMMER, A.M.,
Walker Special Instructor in Mathematics.

ARTHUR MICHAEL, A.M.,
Professor of Chemistry.

ARTHUR M. COMEY, A.B.,
Assistant in Chemistry.

WILLIAM R. SHIPMAN, D.D.,
Librarian.

.

FACULTY OF THE COLLEGE.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M., *Dean.*

JEROME SCHNEIDER, PH.D.

HEMAN A. DEARBORN, A.M., *Secretary.*

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, D.D.

AMOS E. DOLBEAR, A.M.B., A.M.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M.

CHARLES D. BRAY, C.E., A.M.

JEROME W. KLINGHAMMER, A.M.

ARTHUR MICHAEL, A.M.

ARTHUR M. COMEY, A.B.

CANDIDATES

FOR THE DEGREE OF

MASTER OF ARTS.

Bates, Charles Clement, '73. *Akron, Ohio.*
(*Greek and Latin.*)

Beckwith, Walter Parker, '76. *Adams.*
(*Latin and English Literature.*)

Farr, Theodore Parker, '78, *New Brunswick, N. J.*
(*Greek and Latin.*)

Hamilton, Frederick William, '80, *Portland, Me.*
(*Philosophy and English Literature.*)

Lothrop, Thomas Whittier, '82, *Belfast, Me.*
(*Chemistry and Mineralogy.*)

Monroe, Frank Pliny, '79, *Watertown, N. Y.*
(*German and Mathematics.*)

Presho, Edward Webb, '81, *Charlestown.*
(*French and German.*)

UNDERGRADUATES.

SENIOR CLASS.

Currier, Nathan,	<i>Enfield, N. H.,</i>	West Hall, 11.
Edwards, Hubert Foote,	<i>College Hill,</i>	West Hall, 9.
Mayberry, Charles Bradford,	<i>Weston,</i>	West Hall, 3.
Pease, Frank Herbert,	<i>Parsonsfield, Me.,</i>	West Hall, 11.
Perry, Oscar Hoyt,	<i>Wayland,</i>	East Hall, 31.
Puffer, Charles Hunnicutt,	<i>Stafford, Conn.,</i>	East Hall, 31.
Snow, Frederic Elmer,	<i>Newark, N. J.,</i>	West Hall, 8.
Spratt, Frank Allen,	<i>W. Corinth, Me.,</i>	West Hall, 8.
Ward, Winfield Scott,	<i>Woburn,</i>	West Hall, 3.

JUNIOR CLASS.

Ballou, William Martin,	<i>Boston,</i>	East Hall, 7.
Beal, Albert Asahel,	<i>Rockland,</i>	East Hall, 11.
Dana, Alston William,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Darling, Charles Hial,	<i>Woodstock, Vt.,</i>	East Hall, 22.
Day, Elias Elwell,	<i>Gloucester,</i>	West Hall, 16.
Evans, George Cogswell,	<i>Jefferson, Me.,</i>	East Hall, 28.
Fynn, Arthur John,	<i>Salisbury, N. Y.,</i>	East Hall, 27.
Kendall, Fred Oliver,	<i>S. Woodstock, Vt.,</i>	East Hall, 22.
Marvin, Winthrop Lippitt,	<i>Portsmouth, N. H.,</i>	West Hall, 9.
Paige, Charles Sewell,	<i>Weare, N. H.,</i>	Mid. Hall, 9.
Priest, Ira Allen,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Pushaw, Frank Leslie,	<i>Washington, D. C.,</i>	West Hall, 8.
Spear, Charles Francis,	<i>Woburn,</i>	Mid. Hall, 9.

Start, Edwin Augustus,	<i>Cambridge,</i>	West Hall, 1.
Stevens, Charles Plimpton,	<i>Norwood,</i>	Mid. Hall, 8.
Wright, Philip Green,	<i>Medford,</i>	Mid. Hall, 8.

SOPHOMORE CLASS.

Bennett, John Corliss,	<i>Gloucester,</i>	West Hall, 16.
Borden, Charles Fox,	<i>Albion, N. Y.,</i>	West Hall, 7.
Crosby, Isaac Wellington,	<i>Charlestown,</i>	West Hall, 12.
Crosby, James Wellington,	<i>Charlestown,</i>	West Hall, 12.
De Coster, Harry Allison,	<i>Buckfield, Me.,</i>	Mid. Hall, 7.
Gould, William Hilton,	<i>E. Turner, Me.,</i>	West Hall, 10.
Griswold, Dwight,	<i>Middleville, N. Y.,</i>	East Hall, 27.
Holden, James Harry,	<i>Middlesex, Vt.,</i>	East Hall, 25.
Hutchings, Joseph Henry,	<i>Woburn,</i>	West Hall, 3.
Lawrence, Abbott Waldron,	<i>Chelsea,</i>	East Hall, 18.
Macdonald, Theodore Burton,	<i>Mayport, Fla.,</i>	East Hall, 10.
Mendum, Samuel Warren,	<i>Dorchester,</i>	West Hall, 10.
Taylor, Herbert Edgar,	<i>College Hill,</i>	Mr. Taylor's.
Woodbury, William Richardson,	<i>Melrose,</i>	West Hall, 1.

FRESHMAN CLASS.

Abbott, Daniel Gustavus,	<i>North Reading,</i>	East Hall, 19.
Barnes, Frederick Henry,	<i>South Boston,</i>	East Hall, 19.
Braley, George Herbert,	<i>Barre, Vt.,</i>	East Hall, 18.
Dunham, Herman Horace,	<i>Woodstock, Vt.,</i>	East Hall, 30.
French, Elmer Ellsworth,	<i>Porter, Me.,</i>	East Hall, 2.
Hersey, Ralph Waldo,	<i>Belfast, Me.,</i>	West Hall, 2.
Joslin, Ralph Edgar,	<i>Hudson,</i>	West Hall, 4.

Ludden, Charles]Mandeville,	<i>Canton Point, Me.,</i>	East Hall, 26.
Mackin, John Clarence,	<i>Rockland,</i>	East Hall, 11.
Spaulding, Fred Clifford,	<i>Eddington, Me.,</i>	East Hall, 13.
Stone, Henry Beecher,	<i>Rochester, Vt.,</i>	East Hall, 16.
Sweetser, Frank Kittridge,	<i>Stoneham,</i>	East Hall, 13.
Taylor, Fred Allan,	<i>College Hill,</i>	Mr. Taylor's.
Wellington, Archibald Cone,	<i>Adams,</i>	West Hall, 2.
White, Neale Alton,	<i>East Calais, Vt.,</i>	East Hall, 30.
White, True Worthy,	<i>Methuen,</i>	East Hall, 16.
Wilder, Frederick Henry,	<i>Sterling,</i>	West Hall, 4.
Wilson, Frank Bliss,	<i>Barre, Vt.,</i>	East Hall, 21.
<hr/>		
Whittemore, Harry Weston,	<i>Lyndeboro, N. H.,</i>	Mid. Hall, 10.

DEPARTMENT OF ENGINEERING.

THIRD CLASS.

Cardenas, Felipe,	<i>Saltillo, Mexico,</i>	East Hall, 26.
Pearson, Fred Stark,	<i>College Hill,</i>	Mrs. Pearson's.
Smith, Frank Ellwood,	<i>Franklin,</i>	West Hall, 13.

FIRST CLASS.

Lee, Edwin Massena,	<i>Newfield, N. J.,</i>	Prof. Shipman's.
Marks, Burton Mansfield,	<i>Philadelphia, Pa.,</i>	East Hall, 10.
Starrett, Milton,	<i>Francesstown, N. H.,</i>	Mid. Hall, 9.
Sweetser, Fred Augustus,	<i>Woburn,</i>	Mid. Hall, 10.

SPECIAL STUDENT.

Smith, George Rufus,	<i>College Hill,</i>	Mid. Hall, 7.
----------------------	----------------------	---------------

A D M I S S I O N
TO THE
REGULAR COLLEGE COURSE.

Applicants for admission must produce certificates of good moral character. If they come from other colleges, certificates also of their regular dismissal are required.

For admission to the Freshman Class, an examination must be well sustained in the following studies :

Latin.—Cæsar's Gallic War, Books I.-IV.; Cicero's Orations, those against Catiline, for Archias, Marcellus, and the Manilian Law; Virgil's *Æneid*, Books I.-VI.; Ovid's *Metamorphoses*, 2500 lines; Allen and Greenough's, or Harkness's Grammar, including Prosody; Allen's, or Harkness's Latin Composition, Parts I. and II. and translation into Latin of a connected passage of English Prose, not taken from the text-book, but involving only familiar words and idioms.

While the foregoing requirements are preferred, equivalents will be accepted; also, in place of the last two orations of Cicero and the specified amount of Ovid, an examination may be taken, if desired, on average passages from each of the above-named works, not included in the portions prescribed.

Greek.—I. Three books of Homer's *Iliad*; four books of Xenophon's *Anabasis*; Hadley's, Crosby's, Curtius's, or Goodwin's Greek Grammar, including Prosody; writing Greek with the Accents; or, as an alternative,

II. Translation at sight of easy passages of the *Anabasis*

and of average passages from the Iliad (with a vocabulary of the less used words), in place of the quantity requisition in Xenophon and Homer; Prose Composition as in I.

It is recommended that special attention be given to translating English into Greek and Latin, and that pupils be accustomed to this exercise from the beginning of the preparatory course.

Mathematics.—Arithmetic, with the Metric System ; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents ; Plane Geometry.

Geography and History.—Outlines of Ancient Geography ; Modern Geography ; Smith's Smaller History of Greece, to the death of Alexander ; Leighton's or Smith's History of Rome.

English Grammar and Composition.—Spelling ; Punctuation ; Structure of Sentences ; Correct Use of Words ; Clearness of Expression. The Examination will consist,—
1. in writing a short composition on a subject assigned ;
2. in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature, as follows :

For 1883—Shakespeare's Julius Cæsar ; the De Coverly papers in the Spectator ; Macaulay's Addison ; Thackeray's Henry Esmond ; Scott's Marmion.

For 1884—Shakespeare's Merchant of Venice ; Thackeray's Henry Esmond ; Scott's Lady of the Lake ; Carlyle's Burns ; Burns's Cotter's Saturday Night.

For 1885—Shakespeare's Macbeth ; First two Books of Milton's Paradise Lost ; Irving's Sketch Book ; George Eliot's Silas Marner ; Emerson's Essay on Eloquence, in "Society and Solitude."

All the books named for a given year are to be read by each candidate, and from some one of them subjects will be assigned at the time of examination.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A.M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through which such class has passed, but no person will be admitted after the beginning of the Senior year.

To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman Class one year later, may present themselves for a preliminary examination, if prepared on not less than nine of the seventeen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the seventeen, Latin represents six subjects, Greek four, Mathematics three, Geography one, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin.—Livy (Chase & Stuart's); Cicero de Senectute (Reid's); Horace, Odes and Epodes (Chase & Stuart's); Harkness's Latin Composition, Part III., with Extempore Exercises.

Four hours a week for the year.

Roman History.—Liddell; Rawlinson's Manual; Ramsay's Elementary Manual of Roman Antiquities, with Illustrated Lectures; Lectures on the History of the Latin Language and Literature.

Two hours a week for the year.

Greek.—Xenophon; Herodotus; Thucydides; Homer's Odyssey; Dialects; Prose Composition; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

Mathematics.—Wentworth's Complete Algebra; Wentworth's Solid and Spherical Geometry; Wheeler's Trigonometry.

Four hours a week for the year.

Oratory.—Declamations; Lectures.

Two hours a week for second half year.

SOPHOMORE CLASS.

Latin.—Horace, Satires and Epistles; Cicero de Amicitia (Reid's); Germania and Agricola of Tacitus (Chase & Stuart's); Translation into Latin, Bennett's Second Latin Writer, with Extempore Exercises.

Four hours a week for first, three for second half year.

French.—Macmillan's Fasnacht's Grammar; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

Greek I.—The Orators; Prose Composition.

Four hours a week for first half year.

Greek II.—The Dramatists; Study of Metres.

Optional, three hours a week for second half year.

Natural History.—Huxley and Youmans's Physiology.

Optional, as an alternate with Greek II.

Physics.—Ganot's, Mechanics and Acoustics.

Three hours a week for second half year.

Mathematics.—Briggs's Analytic Geometry; Applications of Trigonometry; Olney's Geometry, Part III.

Four hours a week for first half year.

Oratory.—Lectures; Declamations.

Two hours a week for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

German.—Theoretical Grammar in Lectures, with Whitney's for reference; Eysenbach's Practical Grammar; Zschokke, Der todte Gast.

Six hours a week for first half year.

Physics.—Ganot's, Heat, Light, Electricity, Physical Geography; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Chemistry I.—Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

Chemistry II.—Organic and Physiological Chemistry, Lectures, with recitations.

Optional, four times a week for second half year.

English Literature.—

Optional, as an alternate with Chemistry II.

Logic.—Jevons's.

Three hours a week for second half year.

Natural History.—Botany, Gray's Lessons and Manual; Zoölogy, Nicholson's, commenced.

Four hours a week for second half year.

Rhetoric.—Six Themes.

Also, three hours a week for the first half year and two for the second, in one of the following

ELECTIVE STUDIES:

Greek.—Plato.

Latin.—Juvenal; Cicero.

German.—Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

French.—Dramatists of the Classic Period; Modern Novelists; Chardenal's Advanced Exercises.

Rhetoric.—Analysis of Speeches.

Physics.—Investigations in the Laboratory; Projection with sunlight and lantern; Physical Manipulations, Pickering; Sound, Stone; Spectroscope, Lockyer; Projection, Dolbear.

Chemistry.—Inorganic Chemistry, Laboratory Work, for the year; Qualitative Analysis, second half year.

Engineering.—Descriptive Geometry; Drafting.

Mathematics.—Differential and Integral Calculus.

Oratory.—Special Drill in Reading and Declamation.

SENIOR CLASS.

Natural History.—Zöology, Nicholson's, completed; Geology, Le Conte's, with Lectures; Mineralogy, with Lectures.

Four hours a week for first half year.

Moral Philosophy.—Calderwood's Moral Science.

Four hours a week for first half year.

Political Economy.—Fawcett's, with Lectures.

Four hours a week for second half year.

Mental Philosophy.—Porter's Human Intellect.

Four hours a week for second half year.

Rhetoric.—Six Themes.

Also six hours a week for the year in two of the following

ELECTIVE STUDIES:

Jurisprudence.—Ancient Law; Roman Law; International Law; Constitutional Law; Lectures.

English Literature; Logic; Metaphysics.

Greek, Latin, French, or German Literature.

Italian.—Sauer's Grammar; Manzoni, I Promessi Sposi.

Mathematics.—Geometry of Three Dimensions; Mechanical and Architectural Drawing; Salmon's Conic Sections; Advanced Mathematics.

Chemistry.—Assaying, Laboratory Work; Quantitative Analysis; Organic Chemistry, Laboratory Work.

Physics.—Natural Philosophy, Thomson and Tait; Heat, Maxwell; Electricity, Jenkin, Cummings; Investigations in the Physical Laboratory, Spottiswood, Pickering.

Natural History.—Biology, Huxley and Martin's; Botany, Bessie's; Zoology, Packard's, with Practical Work in the Laboratory, first half year; Mineralogy, Dana's Text Book; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work, second half year.

Engineering.—Topographical Surveying and Drawing; Steam Engine.

Oratory.—Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course of instruction, prepared for those who enter for the degree of Bachelor of Philosophy, occupies four years. It includes all the studies of the Regular Course, except Greek, requires additional French and German, and offers an opportunity of pursuing certain elective studies to a greater extent.

The requisitions for admission are the same as for the Regular Course, with the omission of Greek, and the addition of French, as follows: all of Otto's Grammar, or Macmillan's Fasnacht's Progressive French Course; the first fifteen chapters of Lacombe's *Petite Histoire du Peuple Français*.

COURSE OF STUDY.

This course is the same as the foregoing (pp. 14—17), with the omission of Greek, and with the following variations:

In the Freshman year,

French.—Lacombe's *Petite Histoire du Peuple Français*, concluded; Macmillan's Fasnacht's Progressive French Course, Part III.; Dramatists of the Classic Period; Modern Novelists.

Three hours a week for first, four for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

In the Sophomore year,

German.—Theoretical Grammar in Lectures, with Whitney's for reference; Eysenbach's Practical Grammar;

Zschokke, *Der todte Gast*; Goethe, *Hermann und Dorothea*; Schiller, *Maria Stuart*.

Six hours a week for first, and three for second half year.

Also, two hours a week for the first half year and three for the second, in one of the following

ELECTIVE STUDIES:

Physics.—Work in the Physical Laboratory.

Engineering.—Descriptive Geometry; Drawing.

Rhetoric.—Analysis of Speeches.

In the Junior year,

German.—Vilmar, *Geschichte der deutschen Literatur*; Schiller, *Wallenstein*.

Three hours a week for first half year.

And six hours for the half year are divided between two of the specified elective studies.

ENGINEERING COURSE.

This course, extending through three years, is established for those who enter for the degree of Civil Engineer.

The requisitions for admission are Mathematics, Modern Geography, English Grammar and Composition, the same as for the Regular Course (p. 12).

A fourth year of study is provided for those graduate Engineers who wish to take up work in some branch of Engineering and in other departments of the College.

Students of the Regular and Philosophical courses may so arrange the elective work as to make it possible to obtain the degree of Civil Engineer after a post-graduate course of one year in this department.

COURSE OF STUDY.

FIRST YEAR.

Mathematics.—Wentworth's Complete Algebra; Wentworth's Solid and Spherical Geometry; Wheeler's Trigonometry.

Four hours a week for the year.

Descriptive Geometry; Shades and Shadows; Perspective.

Three hours a week for the year.

Surveying.—Theory, with Elementary Practice; Compass Surveys.

Three hours a week for first half year.

Chemistry.—Inorganic Chemistry; Lectures, with Recitations.

Three hours a week for first half year.

French.—Macmillan's Fasnacht's Grammar; Lacombe's Petite Histoire du Peuple Français

Six hours a week for second half year.

Drawing.—Plotting; Orthographic Projection.

Six hours a week for the year.

SECOND YEAR.

Mathematics I.—Briggs's Analytic Geometry; Applications of Trigonometry; Olney's Geometry, Part III.

Four hours a week for first half year.

Mathematics II.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Magnus's.

Three hours a week for second half year.

Steam Engine.—Theory and Construction.

Four hours a week for second half year.

Topography.—Field Work, and Drawing.

Four hours a week for first, six for second half year.

Physics.—Ganot's, Heat, Light, Electricity, Physical Geography; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

THIRD YEAR.

Mathematics.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Applied Mechanics.

Four hours a week for the year.

Civil Engineering.—Strength of Materials; Stability of Structures of Stone, Wood, and Iron; Drainage and Sewerage; Hydraulics.

Four hours a week for the year.

Road Engineering.—Surveys and Estimates.

Three hours a week for first half year.

Drawing.—Structures and Machines.

Four hours a week for the year.

Natural History.—Mineralogy, Dana's Text Book; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work, second half year.

Six hours a week for second half year.

Preparation of Thesis.

ELECTRICAL ENGINEERING.

The college now possesses suitable rooms and apparatus for giving special instruction in the various departments of Electrical Science, both theoretical and practical. An Elective Course has been arranged, embracing instruction in wood and metal work at vise and lathe, practice in Steam Engine running and use of indicators, and an extensive experimental course, with acoustic, photometric, and electric apparatus, with special reference to the various commercial applications of Electricity, such as in the Telegraph, the Telephone, Electric lighting, etc. If students offer themselves for this work in sufficient number and with adequate preparation, it will be arranged, in connection with other departments of instruction, as a three years course, for which a special degree will be given.

ELECTIVE STUDIES.—The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives requisite to fill this programme, extra electives may be taken, if, in the judgment of the Faculty, they can be profitably pursued. Choice of electives for any half year must be indicated in writing not later than the last Saturday of the preceding half year. New elections may be made at such other times as are prescribed in the several departments.

EXAMINATIONS.—Frequent written reviews are held, and written examinations of all the classes at stated intervals, and on completion of studies.

RELIGIOUS OBSERVANCES.—All resident students are required to attend morning prayers and the reading of the scriptures in the Chapel.

All resident students are required to attend public worship on

Sundays in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who, on the application of their parents and guardians, have been permitted for reasons of conscience to attend regularly at a church of their own denomination.

RUSSELL LECTURE.—The Russell Lecture, established in accordance with a bequest of the late Hon. James Russell of Arlington, is delivered before the Trustees, Faculty, and Students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.—The Library, containing more than 19,000 volumes and 7,000 pamphlets, is open to members of the College, both for consultation and for the drawing of books, from 9.30 to 5 on week days, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND.—The income of a fund of twelve hundred dollars, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

EXPENSES.

College Charges, (Tuition, Care of Rooms, Inci-		
dentials, per year,	\$100.00	\$100.00
Half Room Rent, from \$15.00 to \$50.00, per year,	15.00	50.00
Board \$3.00 per week,	117.00	117.00
Total,	\$232.00	\$267.00

While the College charges are as above stated, one hundred dollars per year, the College is, practically, free to those whose circumstances necessitate it.

Students board in commons at \$3.00 per week; in private families at \$3.00 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March; the second is made immediately after Commencement, and is payable on the first day of the following College year, but the second bill of the senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

Scholarships in the gift of the College are as follows:

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FIVE HOWLAND SCHOLARSHIPS, of *one hundred dollars* each, established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M. D., of Newport, R. I.

The PERKINS SCHOLARSHIP, of *fifty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N. Y., by a donation of one thousand dollars.

The A. A. MINER SCHOLARSHIP, of *fifty dollars*, established by a donation of one thousand dollars.

The GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood, of Malden, given to such student as shall have made the best attainments in Oratory.

FOUR PRIZE SCHOLARSHIPS OF NATURAL HISTORY, (I. Tully, II. Olmsted, III. Leavenworth, IV. Miner), from the income of a special fund established by the late Charles Hyde Olmsted, which are given to such competitors as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated.

FREE SCHOLARSHIPS. "Ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from, or leave the College, others are selected to take their places."

The income of the MOSES DAY FUND, of five thousand dollars, is appropriated to the aid of needy and deserving young men.

In addition to the foregoing, PRIZE SCHOLARSHIPS are established in connection with the following Preparatory Schools: Dean Academy, Westbrook Seminary, Goddard Seminary, and Perkins Academy. One such scholarship is open to competition annually in each of these schools, and will be awarded to the student of highest attainments, who, during an attendance of not less than two years in the school from which he presents himself,

has attained eighty per cent. in all the studies of his preparatory course, and who has answered correctly at least seventy-five per cent. of all the questions proposed by the Faculty for admission to college. The amount of a scholarship is *one hundred and twenty-five dollars* a year, and the student to whom one is awarded shall be entitled to receive it during the four years of his college course, provided that he takes rank and holds it in the upper third of his class, and provided that his conduct shall commend itself in all respects to the Faculty. In all cases the Faculty shall be judges of the per cent. attained by students.

These awards are made by the Board of Trustees on the recommendation of the Faculty. When voted, except the Free Scholarships and the Preparatory School Prize Scholarships, they are understood to cover the college year just ended; but the obtaining of a scholarship for one year does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year; that of the Bell-ringer, *one hundred dollars*.

Applications for Scholarships and other aids must be made to the Faculty on or before the first day of June; and, if the applicant be a minor, must be sanctioned by his parent or guardian. No one need apply who has not made satisfactory progress, or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the Academical year, four prizes of *fifteen dollars* each are assigned from the Goddard Prize Fund, as follows:

A Prize for the best Dissertation, by a member of the Senior Class, on a subject assigned.

A Prize for the best Examination in Plato's Symposium, or the Clouds of Aristophanes, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of the first three Sections of Chapter XXX. in Liddell's History of Rome.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President's office by the 1st of May, in sealed envelopes, accompanied by sealed letters containing the authors' names.

RHETORICAL PRIZES.—Six prizes are awarded as follows:

Two Prizes, of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two Prizes, of *twenty* and *ten dollars* respectively, to members of the Junior Class, for the best exhibition of improvement and skill in Elocution.

Two Prizes, of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for Reading and Declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

TWO PRIZES, of *thirty* and *twenty dollars* respectively, are awarded for the best entrance Examinations. To receive either the candidate must pass in all the subjects required for admission to college, and must be admitted without conditions. These prizes are payable at the end of the first half year in college.

PACKARD PRIZES.—In accordance with a provision of the will of the late Silvanus Packard, ten Prizes, of *twenty dollars* each, are annually awarded to as many students who rank highest in scholarship and good behavior.

The foregoing Prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

AWARDS FOR 1882.

For Examination in Mathematics.

TO JOHN CORLISS BENNETT, of the Freshman Class.

For Latin Prose.

TO ALBERT ASAHEL BEAL, of the Sophomore Class.

Greenwood Prize Scholarship.

TO WILLIAM FARRELL, of the Senior Class.

Natural History Prize Scholarships.

TO ARTHUR WINSLOW PEIRCE, half prize in the department of Mineralogy; and to CHARLES WALTER GEROULD, half prize in the department of Biology.

For Reading.

TO CHARLES WALTER GEROULD and WILLIAM FARRELL, of the Senior Class.

For Declamation.

TO CHARLES HUNNICUTT PUFFER and FRANK ALLEN SPRATT, of the Junior Class; and to EDWIN AUGUSTUS START and CHARLES HIAL DARLING, of the Sophomore Class.

Packard Prizes.

TO GEORGE MONTGOMERY LOVEJOY and FRANK PRESCOTT RAND, of the Senior Class; CHARLES BRADFORD MAYBERRY, of the Junior Class; WILLIAM MARTIN BALLOU, CHARLES PLIMPTON STEVENS, and PHILIP GREEN WRIGHT, of the Sophomore Class; JOHN CORLISS BENNETT, JAMES HARRY HOLDEN, and SAMUEL WARREN MENDUM, of the Freshman Class; and FRANK ELLWOOD SMITH, of the Second Engineering Class.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any Senior of the Regular Course, or of the Philosophical Course, who shall have complied with the following conditions: 1. He must have excelled in the required work of the study in which he desires honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examinations on them with distinction. 3. He must pass an examination before a committee of the Faculty on as much extra work in the study in which he desires honors as would be equal to two hours a week for a year. This examination may be either oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows: I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. Philosophy, VI. Modern Languages, VII. Classics.

A student is expected to apply for honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of honors, as well as the department, will be mentioned in the diploma and printed in the catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such graduates of the Regular Course, and of the Philosophical Course, as shall pursue during a residence of not less than one year and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A. B. and B. Ph. are given by Tufts College.

BOARDS OF VISITORS.

COLLEGE OF LETTERS.

REV. C. J. WHITE, A. M., *Chairman.*

REV. H. I. CUSHMAN.

THOMAS H. ARMSTRONG, A. M.

BYRON GROCE, A. M.

L. L. DAME, A. M.

Z. L. WHITE.

REV. HENRY BLANCHARD, A. M.

REV. E. C. BOLLES, D. D.

REV. C. H. EATON.

DIVINITY SCHOOL.

REV. H. W. RUGG, *Chairman.*

REV. J. COLMAN ADAMS.

REV. C. W. BIDDLE.

REV. G. M. HARMON.

REV. J. K. MASON.

REV. M. H. HARRIS.

REV. OSCAR F. SAFFORD.

DIVINITY SCHOOL.

FACULTY.

REV. ELMER H. CAPEN, D. D., PRESIDENT.

REV. THOMAS J. SAWYER, D.D., *Dean,
And Packard Professor of Christian Theology.*

REV. CHARLES H. LEONARD, D. D.,
Goddard Professor of Homelitics and Pastoral Theology.

WILLIAM G. TOUSEY, A. M. B. D.,
Professor of Psychology and Natural Theology.

REV. GEO. T. KNIGHT, A.M. B.D.,
Instructor in Rhetoric and Church History.

MOSES T. BROWN, A.M.,
Professor of Oratory.

REV. EDWIN C. BOLLES, D.D.
Lecturer on the Need and Value of Science to the Minister.

REV. RICHARD EDDY,
*Lecturer on the Beginning and Progress of the Universalist
Church.*

REV. A. A. MINER, D.D., LL.D.,
Lecturer on the Ethics of Doctrine.

REV. H. W. RUGG,
Lecturer on Preaching.

STUDENTS.

FIRST YEAR.

Barber, Elliot Bates,	<i>Norwich, Conn.</i>	West Hall, 28.
Fisher, Lee Howard,	<i>Charlotte, Me.</i>	West Hall, 29.
Nickerson, Charles Sumner,	<i>Chatham,</i>	West Hall, 26.
Walsh, Alexander Frank,	<i>East Boston,</i>	West Hall, 26.

SECOND YEAR.

Bailey, Charles Reuben,	<i>Piermont, N. H.</i>	West Hall, 29.
Cutler, Julius Stearns,	<i>Deering, Me.,</i>	West Hall, 27.
Frost, Jonathan Burwell,	<i>Cardington, O.,</i>	West Hall, 23.
Kimball, Arthur Dorman,	<i>Rochester, N. H.,</i>	West Hall, 32.

THIRD YEAR.

Bartholomew, John May, A. B.,	<i>Franklin,</i>	West Hall, 13.
Hall, Frank Oliver,	<i>Vallejo, Cal.,</i>	West Hall, 27.
McCollister, Lee Sullivan, A.B.,	<i>Marlboro, N. H.,</i>	West Hall, 21.
Tomlinson, Vincent Eaton, B.S.,	<i>Akron, O.,</i>	West Hall, 21.
<i>(Buchtel)</i>		
West, James H.	<i>Boston,</i>	West Hall, 23.

FOURTH YEAR.

Darling, Olney Inman,	<i>Warren,</i>	West Hall, 24.
Dusseault, William.	<i>Somerville,</i>	West Hall, 28.
Eastman, John Putney,	<i>Manchester, N. H.,</i>	West Hall, 28.
Knickerbocker, Charles Arthur,	<i>Wayne, Mich.,</i>	West Hall, 25.
Rice, Clarence E.	<i>Watertown, N. Y.,</i>	West Hall, 24.
White, Rufus Austin,	<i>Towanda, Pa.,</i>	West Hall, 25.

ADMISSION
TO THE
THEOLOGICAL COURSE.

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the day preceding the first day of the academic year.

Bachelors of Arts are admitted without examination. Other candidates must have received a good English education, and it is desirable that they should have some knowledge of the Latin and Greek languages.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology, should take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid so extensive preparation. To meet the wants of

such, and yet provide for thorough training and comprehensive development, a four years course has been instituted. It is not to be expected that this will prove a full equivalent of a collegiate and a professional course combined, but it permits the introduction of branches not strictly professional, yet of a fundamental character, and of the highest disciplinary value. There can be no doubt of the advantage of pursuing such branches where they are made to point continually to professional uses. It is believed that four years spent in a single institution, where the studies are made to succeed each other in logical order, and with constant reference, and in due subordination, to the requirements of the profession, must be more profitable than any other possible disposition of the time. Thus, not only is time, that important factor in education, gained, but it becomes possible to utilize the whole energy of the student, and to give a practical direction and a new impetus to all of his efforts. This course is therefore recommended to all who cannot avail themselves of a preparatory collegiate education.

COURSE OF STUDY.

FIRST YEAR.

Rhetoric.—Principles of Effective Speech; Rhetorical Analysis; Themes.

Biblical Archæology.

Logic.—Psychological Data, Concepts and Propositions;
Greek Language.

History.—Biblical History and Geography.

German Language.

Old Testament.—General Introduction; Critical Readings;
Exegetical Essays.

Hebrew Language.

SECOND YEAR.

The Greek of the Gospels.

Rhetoric.—Studies in English Oratory; Analysis of Arguments.

Logic.—Introduction; Definition; Logic of the Sciences; Fallacies.

Psychology.—The Intellect; Historical Statement of the Leading Questions of Mental Philosophy.

German Language.

History.—Ancient and Modern Church History.

New Testament.—Introduction to Study of the Gospels; Principles of Interpretation; Exegesis; Exegetical Essays.

Homiletics.—History of Preaching; Analysis of the Sermon.

THIRD YEAR.

Psychology.—The Will; The Moral Nature; Ethical Theories; Christian Ethics.

History.—History of Doctrines.

Exegesis.—Study of Selected Epistles; Exegetical Essays.

Theology.—Systematic Theology.

Homiletics.—Study of Sermons; Homiletical Analysis; The Composition and Delivery of Sermons.

Christian Evidences; History of Doubt; Evidences in View of Modern Thought.

FOURTH YEAR.

Theology.—Systematic and Comparative; Distinctive Doctrines of Universalism.

Natural Theology.—Theistic Arguments; Special Studies with reference to the Evidences of Order and Design; Analogy of Nature and Religion; Relations of Science and Christianity.

Homiletics.—The Composition and Delivery of Sermons.

Church Government.—Polity; Membership and Offices of the Church.

Pastoral Theology.—Pastoral Care; Ordinance of Worship; Systematic Beneficence; the Christian Spirit and Life.

ESSAYS AND SERMONS.—In each department of study, students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class. Criticisms in public and private.

EXAMINATIONS.—Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

ELECTIVE STUDIES.—Graduates, undergraduates sufficiently advanced, and other persons desirous of pursuing special studies, may receive instruction in Theology, Philosophy, Homiletics, General History, and Literature. Students are also permitted to attend lectures in the Academical department, subject, however, to the discretion of the Faculty.

DEVOTIONAL EXERCISES.—Devotional services are held daily in the chapel; also, weekly evening meetings for conference and prayer.

SOCIETIES.—There are two literary associations open to students, one organized from the side of the Academical department, the other from the side of the Theological department. These societies hold weekly meetings for literary criticisms, debates, orations, etc.

LIBRARIES.—Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

Supplementary lectures, which bear upon the general work of the Christian Ministry, and upon special subjects of study, are given at intervals throughout the year. Such lectures were given during the year of 1881-82, by Rev. J. Colman Adams, on "The Preacher's work with Himself, in Disposition, Discipline, and Devotion;" by Rev. G. L. Demarest, D.D., on "The Work of the Universalist Church;" by Rev. G. M. Harmon, on "Studies in the History of Morals;" by Rev. W. S. Woodbridge, on "The Opportunity of the Universalist Church;" by Rev. J. T. Duryea, D. D., before the Zetaganthean Society, on "The use of the Imagination in Preaching."

GENERAL FACILITIES.—Important facilities for general improvement are offered to students by the proximity of the school to such intellectual centres as Boston and Cambridge. Valuable libraries and cabinets are made accessible. Elaborate courses of lectures on scientific, social and literary subjects, are presented to the public from time to time. The most noted divines of New England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES, DEGREES, ETC.—The Full Course occupies three years for Bachelors of Arts; for all others, four years. The Special Courses occupy respectively, one, two, and three years. Diplomas certifying to attainments are conferred upon those who have taken one of the Special Courses. The Degree of BACHELOR OF DIVINITY is conferred upon those who sustain satisfactorily an examination upon the studies of the Full Course.

ROOMS AND EXPENSES.—The rooms assigned to the Divinity Students are in the West Hall, recently built, and are large, well-ventilated apartments. Each study is provided with suitable furniture; and the bed-room adjoining each study is furnished with bedstead, bureau, etc.

Tuition, room-rent, and use of furniture, free. Board, about three dollars per week. The necessary school expenses, including board, washing, fuel, light, text-books, etc., will not exceed two hundred dollars per year.

The General Convention of Universalists aids students by a system of loans; and those in the regular course who have shown sufficient maturity, are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

THE GREENWOOD SCHOLARSHIP.—The income of one thousand dollars will be given as a Prize-Scholarship to some member of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

AWARDS.—This Prize-Scholarship for the year 1881-82 was awarded to Charles Arthur Knickerbocker, and Olney Inman Darling.

CALENDAR.

1882.

Sept. 21.	Term begins,	Thursday morning.
Sept. 24.	Russell Lecture,	Sunday 4 P. M.
Dec. 20.	Recess begins,	Wednesday noon.

1883.

Jan. 3.	Recess ends,	Wednesday evening.
Feb. 3.	End of first half year,	Saturday.
June 12.	Prize Speaking and Reading,	Tuesday, P. M.
June 17.	Baccalaureate Sermon,	Sunday.
June 20.	Commencement, third Wednesday in June.	
June 21.	Examination for admission begins,	Thursday, 9 A.M.

SUMMER VACATION, THIRTEEN WEEKS.

Sept. 11.	Annual meeting of the Board of Trustees.	
Sept. 18.	Second Examination for Admission, Tuesday, 9 A.M.	
Sept. 19.	Examination for Admission to the Divinity School.	
Sept. 20.	College Year begins,	Thursday morning.
Sept. 23.	Russell Lecture,	Sunday, 4 P.M.

NOTE.—Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6.45, 7.30, 9, 10, 11.30 A. M., 12.10, 3.15, 4.30, 5.10, 6, 6.30, 7.30, 9.30 and 11.20 P. M. Return at 6.14, 6.49, 7.20, 8.06, 9.22, 10.35 A. M., 1.30, 3.05, 3.35, 4.20, 5.02, 5.43, 6.34, 8.49, and 10.35 P. M. The College is four miles from Boston. Post-Office address, College Hill, Mass.

C
T81H
1883/84
cop. 2

A
CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1883-84.

BOSTON:
PRINTED BY WALLACE SPOONER,
PROVINCE STREET.

TRUSTEES.

HON. CHARLES ROBINSON, JR., *Newton,*

PRESIDENT.

JOHN D. W. JOY, Esq., *Boston,*

VICE PRESIDENT.

THOMAS H. ARMSTRONG, A. M., *Boston,*

SECRETARY.

WILLIAM H. FINNEY, A. M., *Boston,*

TREASURER.

REV. ALONZO A. MINER, D. D., LL.D., *Boston.*

JAMES O. CURTIS, Esq., *Medford.*

REV. LUCIUS R. PAIGE, D. D., *Cambridge.*

HON. TIMOTHY T. SAWYER, *Boston.*

HON. NEWTON TALBOT, *Boston.*

REV. ELMER H. CAI'EN, D. D., *College Hill.*

NORMAN C. MUNSON, Esq., *Shirley Village.*

CHARLES G. POPE, A. M., *Somerville.*

ZEBULON L. WHITE, Esq., *Providence, R. I.*

CHARLES S. FOBES, A. M., *Portland, Me.*

CHARLES H. ROGERS, Esq., *Philadelphia, Pa.*

HON. HOSEA M. KNOWLTON, *New Bedford.*

REV. HENRY W. RUGG, *Providence, R.I.*

REV. J. COLMAN ADAMS, *Lynn.*

HON. CHARLES WHITTIER, *Boston.*

REV. EDWIN C. BOLLES, D. D., *Salem.*

WILMOT L. WARREN, Esq., *Springfield.*

BYRON GROCE, A. M., *Boston.*

ARTHUR E. DENISON, Esq., *Cambridge.*

HENRY D. WILLIAMS, A. M., *Boston.*

HON. JOSEPH DAVIS, *Lynn.*

THOMAS G. FROTHINGHAM, Esq., *Boston.*

WILLIAM OSCAR CORNELL, Esq., *Providence, R.I.*

WILLIAM B. BEMENT, Esq., *Philadelphia, Pa.*

HON. HOSEA W. PARKER, *Claremont, N. H.*

HON. WILLIAM D. WASHBURN, *Minneapolis, Minn.*

•

OFFICERS OF INSTRUCTION AND
GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, D.D.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, M.E., PH.D.,
Professor of Physics and Astronomy.

REV. GEORGE M. HARMON, A. M., B. D.,
Assistant Professor of Theology.

MOSES T. BROWN, A.M.,
Professor of Oratory.

CHARLES E. FAY, A.M.,
Wade Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,
Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

GEORGE T. KNIGHT, A.M., B.D.,
Professor of Church History.

WILLIAM L. HOOPER, A.M.,
Assistant Professor of Physics.

ARTHUR MICHAEL, A.M.,
Professor of Chemistry.

FRED S. PEARSON, A.M.B.,
Walker Special Instructor in Mathematics.

GEORGE M. PALMER,
Assistant in Chemistry.

REV. EDWIN C. BOLLES, PH.D., D.D.,
Lecturer on the Need and Value of Science to the Minister.

REV. ALONZO A. MINER, D.D., LL.D.,
Lecturer on the Ethics of Doctrine.

REV. RICHARD EDDY, D.D.,
Lecturer on the Beginning and Progress of the Universalist Church.

REV. HENRY W. RUGG,
Lecturer on The Work of the Preacher.

~~WILLIAM R. SHIPMAN, D.D.,~~
~~Librarian.~~

HELEN L. MELLEN,
Acting Librarian.

FACULTY OF THE COLLEGE.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M., *Dean.*

JEROME SCHNEIDER, Ph.D.

HEMAN A. DEARBORN, A.M., *Secretary.*

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, D.D.

AMOS E. DOLBEAR, M.E., Ph.D.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M.

CHARLES D. BRAY, C.E., A.M.

WILLIAM L. HOOPER, A.M.

ARTHUR MICHAEL, A.M.

FRED S. PEARSON, A.M.B.

BOARDS OF VISITORS.

COLLEGE OF LETTERS.

REV. C. J. WHITE, A. M., *Chairman.*

REV. H. I. CUSHMAN.

BYRON GROCE, A. M.

CHARLES G. POPE, A. M.

L. L. DAME, A. M.

Z. L. WHITE.

REV. HENRY BLANCHARD, A. M.

REV. E. C. BOLLES, D. D.

REV. C. H. EATON.

DIVINITY SCHOOL.

REV. H. W. RUGG, *Chairman.*

REV. J. COLMAN ADAMS.

REV. C. W. BIDDLE,

REV. J. K. MASON.

REV. M. H. HARRIS.

REV. OSCAR F. SAFFORD.

REV. C. ELWOOD NASH.

CANDIDATES

FOR THE DEGREE OF

MASTER OF ARTS.

Adams, John Colman, '70, *Lynn.*
(*History and Meteorology.*)

Bates, Charles Clement, '73, *Akron, Ohio.*
(*Greek and Latin.*)

Farr, Theodore Parker, '78, *New Brunswick, N. J.*
(*Greek and Latin.*)

Hamilton, Frederick William, '80, *Portland, Me.*
(*Philosophy and English Literature.*)

Mayberry, Charles Bradford, '83, *Weston.*
(*Biology and Physics.*)

Monroe, Frank Pliny, '79, *Watertown, N. Y.*
(*German and Mathematics.*)

UNDERGRADUATES.

SENIOR CLASS.

Beal, Albert Asahel,	<i>Rockland,</i>	East Hall, 11.
Dana, Alston William,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Darling, Charles Hial,	<i>Woodstock, Vt.,</i>	East Hall, 22.
Day, Elias Elwell,	<i>Gloucester,</i>	East Hall, 10.
Evans, George Cogswell,	<i>Jefferson, N. H.,</i>	East Hall, 1.
Fynn, Arthur John,	<i>Salisbury, N. Y.,</i>	East Hall, 31.
Kendall, Fred Oliver,	<i>S. Woodstock, Vt.,</i>	East Hall, 22.
Marvin, Winthrop Lippitt,	<i>Portsmouth, N. H.,</i>	West Hall, 9.
Paige, Charles Sewell,	<i>Weare, N. H.,</i>	Mid. Hall, 9.
Priest, Ira Allen,	<i>Mechanicsville, Vt.,</i>	East Hall, 23.
Spear, Charles Francis,	<i>Woburn,</i>	Mid. Hall, 11.
Start, Edwin Augustus,	<i>Cambridge,</i>	West Hall, 9.
Stearns, Harry,	<i>Waukegan, Ill.,</i>	East Hall, 1.
Stephens, Charles Plimpton,	<i>Norwood,</i>	Mid. Hall, 8.
Poindexter, Willis Samuel,	<i>Limerick, Me.,</i>	East Hall, 2.

JUNIOR CLASS.

Bennett, John Corliss,	<i>Gloucester,</i>	West Hall, 11.
Borden, Charles Fox,	<i>Albion, N. Y.,</i>	East Hall, 18.
Crosby, Isaac Wellington,	<i>Charlestown,</i>	West Hall, 12.
Crosby, James Wellington,	<i>Charlestown,</i>	West Hall, 12.
De Coster, Harry Allison,	<i>Buckfield, Me.,</i>	East Hall, 25.
Gould, William Hilton,	<i>E. Turner, Me.,</i>	West Hall, 10.
Griswold, Dwight,	<i>Middleville, N. Y.,</i>	East Hall, 31.
Eveleth, George Simmonds,	<i>Auburn, Me.,</i>	East Hall, 25.

Holden, James Harry,	<i>Middlesex, Vt.,</i>	West Hall, 11.
Hutchings, Joseph Henry,	<i>Woburn,</i>	Mid. Hall, 12.
Lawrence, Abbott Waldron,	<i>Chelsea,</i>	West Hall, 1.
Mendum, Samuel Warren,	<i>Dorchester,</i>	West Hall, 18.
Smith, Clarence Victor Nye,	<i>Mt. Gilead, O.,</i>	West Hall, 28.
Taylor, Herbert Edgar,	<i>College Hill,</i>	West Hall, 8.
White, Rufus Austin,	<i>Towanda, Pa.,</i>	East Hall, 16.
Woodbury, William Richardson,	<i>Melrose,</i>	West Hall, 1.

SOPHOMORE CLASS.

Abbott, Daniel Gustavus,	<i>North Reading,</i>	East Hall, 19.
Braley, George Herbert,	<i>Barre, Vt.,</i>	West Hall, 2.
Dunham, Herman Horace,	<i>Woodstock, Vt.,</i>	East Hall, 30.
French, Elmer Ellsworth,	<i>Porter, Me.,</i>	West Hall, 13.
Hersey, Ralph Waldo,	<i>Belfast, Me.,</i>	West Hall, 6.
Joslin, Ralph Edgar,	<i>Hudson,</i>	West Hall, 4.
Ludden, Charles Mandeville,	<i>Canton Point, Me.,</i>	Mid. Hall, 7.
Mackin, John Clarence,	<i>Rockland,</i>	East Hall, 11.
Spaulding, Fred Clifford,	<i>Eddington, Me.,</i>	West Hall, 10.
Stone, Henry Beecher,	<i>Rochester, Vt.,</i>	East Hall, 16.
Sweetser, Frank Kittridge,	<i>Stoneham,</i>	West Hall, 2.
Taylor, Fred Allan,	<i>College Hill,</i>	West Hall, 7.
Wellington, Archibald Cone,	<i>Adams,</i>	West Hall, 6.
White, Neale Alton,	<i>East Calais, Vt.,</i>	East Hall, 30.
Whittemore, Harry Weston,	<i>Lyndeboro, N.H.,</i>	Mid. Hall, 10.
Wilder, Frederick Henry	<i>Sterling,</i>	West Hall, 7.

FRESHMAN CLASS.

Bailey, George Austin,	<i>Belfast, Me.,</i>	West Hall, 4.
Bateman, Frank Elliott,	<i>Charlestown,</i>	East Hall, 18.
Chapin, George Albert,	<i>Antrim, N. H.,</i>	East Hall, 6.
Cook, Daniel Addison,	<i>Wrentham,</i>	East Hall, 15.
Cook, Nelson Pingry,	<i>Mount Holly, Vt.,</i>	East Hall, 26.
Cook, Waldo Lincoln,	<i>Woonsocket, R. I.,</i>	East Hall, 27.
Fairbanks, Wilson Lincoln,	<i>Natick,</i>	East Hall, 9.
Foster, Stephen Austin,	<i>Derby Line, Vt.,</i>	West Hall, 16.
Frothingham, Thomas Goddard,	<i>Charlestown,</i>	East Hall, 8.
Lewis, Leo Rich,	<i>South Boston,</i>	West Hall, 16.
Maulsby, David Lee,	<i>Baltimore, Md.,</i>	Mid. Hall, 18.
Merrill, John Douglass,	<i>Lawrence,</i>	East Hall, 5.
Prouty, Willis James,	<i>Spencer,</i>	East Hall, 14.
Sargent, John Garibaldi,	<i>Plymouth, Vt.,</i>	East Hall, 26.
Smith, Walter Herbert,	<i>Littleton, N.H.,</i>	East Hall, 14.
Snow, Alva Edson,	<i>West Somerville,</i>	Mr. Snow's.
Woodward, William Andrew,	<i>Franeestown, N.H.,</i>	West Hall, 13.

SPECIAL STUDENT.

Albion, James Francis,	<i>Woonsocket, R. I.,</i>	East Hall, 27.
------------------------	---------------------------	----------------

DEPARTMENT OF ENGINEERING.

THIRD CLASS.

Wright, Philip Green,	<i>Medford,</i>	Mid. Hall, 8.
-----------------------	-----------------	---------------

SECOND CLASS.

Lee, Edwin Massena,	<i>Newfield, N. J.,</i>	Prof. Shipman's.
---------------------	-------------------------	------------------

Sweetser, Fred Augustus,	<i>Woburn,</i>	Mid. Hall, 11.
--------------------------	----------------	----------------

White, Roger Sherman,	<i>Methuen,</i>	Mid. Hall, 10.
-----------------------	-----------------	----------------

FIRST CLASS.

Chapman, Fred Palmer,	<i>Franklin,</i>	East Hall, 15.
-----------------------	------------------	----------------

Gannett, William Phelps,	<i>Roxbury,</i>	Mid. Hall, 12.
--------------------------	-----------------	----------------

Marks, Burton Mansfield,	<i>Philadelphia, Pa.,</i>	East Hall, 10.
--------------------------	---------------------------	----------------

Starrett, Milton Gerry,	<i>Francestown, N. H.,</i>	Mid. Hall, 9.
-------------------------	----------------------------	---------------

Perry, Frank Elliot,	<i>Natick,</i>	East Hall, 9.
----------------------	----------------	---------------

SPECIAL STUDENT.

Smith, George Rufus,	<i>College Hill,</i>	East Hall, 25.
----------------------	----------------------	----------------

A D M I S S I O N
TO THE
REGULAR COLLEGE COURSE.

For admission to the Freshman Class, an examination must be well sustained in the following studies:

Latin.—Cæsar's Gallic War, Books I.—IV.; Cicero's Oration, those against Catiline, for Archias, Marcellus, and the Manilian Law; Virgil's *Æneid*, Books I.—VI.; Ovid's *Metamorphoses*, 2500 lines; Allen and Greenough's, or Harkness's Grammar, including Prosody; Allen's Latin Composition, and translation into Latin of a connected passage of English Prose, not taken from the text-book, but involving only familiar words and idioms.

While the foregoing requirements are preferred, equivalents will be accepted; also, in place of the last two orations of Cicero and the specified amount of Ovid, an examination may be taken, if desired, on average passages from each of the above-named works, not included in the portions prescribed.

Greek.—I. Three books of Homer's *Iliad*; four books of Xenophon's *Anabasis*; Hadley's, Crosby's, Curtius's, or Goodwin's Greek Grammar, including Prosody; writing Greek with the Accents; or, as an alternative,

II. Translation at sight of easy passages of the *Anabasis* and of average passages from the *Iliad* (with a vocabulary of the less used words), in place of the quantity requisition in Xenophon and Homer; Prose Composition as in I.

It is recommended that special attention be given to translating English into Greek and Latin, and that pupils be accustomed to this exercise from the beginning of the preparatory course.

Mathematics.—Arithmetic, with the Metric System; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents; Plane Geometry.

Geography and History.—Outlines of Ancient Geography; Modern Geography; Smith's *Smaller History of Greece*, to the death of Alexander; Leighton's or Smith's *History of Rome*.

English Grammar and Composition.—Spelling; Punctuation; Structure of Sentences; Correct Use of Words; Clearness of Expression. The examination will consist,— 1. in writing a short composition on a subject assigned; 2. in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature, as follows:

For 1884—Shakespeare's *Merchant of Venice*; Thackeray's *Henry Esmond*; Scott's *Lady of the Lake*; Carlyle's *Burns*; Burns's *Cotter's Saturday Night*.

For 1885—Shakespeare's *Macbeth*; First two Books of Milton's *Paradise Lost*; Irving's *Sketch Book*; George Eliot's *Silas Marner*; Emerson's *Essay on Eloquence*, in "*Society and Solitude*."

All the books named for a given year are to be read by each candidate, and from some one of them subjects will be assigned at the time of examination.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A.M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through which such class has passed. To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman Class one year later, may present themselves for a preliminary examination if prepared on not less than nine of the seventeen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the seventeen, Latin represents six subjects, Greek four, Mathematics three, Geography one, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin.—Livy (Chase & Stuart's); Cicero de Senectute (Reid's); Horace, Odes and Epodes (Chase & Stuart's); Harkness's Latin Composition, Part III., with Extempore Exercises.

Four hours a week for the year.

Roman History.—Liddell; Rawlinson's Manual; Ramsay's Elementary Manual of Roman Antiquities, with Illustrated Lectures; Lectures on the History of the Latin Language and Literature.

Two hours a week for the year.

Greek.—Xenophon; Herodotus; Thucydides; Homer's Odyssey; Dialects; Prose Composition; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

Mathematics.—Wentworth's Complete Algebra; Wentworth's Solid and Spherical Geometry; Wentworth's Trigonometry.

Four hours a week for the year.

Oratory.—Declamations; Lectures.

Two hours a week for second half year.

SOPHOMORE CLASS.

Latin.—Horace, Satires and Epistles; Cicero de Amicitia (Reid's); Germania and Agricola of Tacitus (Chase & Stuart's); Translation into Latin, Bennett's Second Latin Writer, with Extempore Exercises.

Four hours a week for first, three for second half year.

French. — Macmillan's Fasnacht's Progressive French Course, Parts I. and II.; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

Greek I.—The Orators ; Prose Composition.

Four hours a week for first half year.

Greek II.—The Dramatists ; Study of Metres.

Optional, three hours a week for second half year.

Natural History.—Huxley and Youmans's Physiology.

Optional, as an alternate with Greek II.

Physics.—Magnus's Mechanics.

Three hours a week for second half year.

Mathematics.—Briggs's and Bowser's Analytic Geometry ; Applications of Trigonometry ; Special Trigonometry.

Four hours a week for first half year.

Oratory.—Lectures ; Declamation.

Two hours a week for second half year.

Rhetoric.—A. S. Hill's ; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

German.—Theoretical Grammar in Lectures, with Whitney's for reference ; Macmillan's Fasnacht's Progressive German Course, Part II ; Spielhagen, Hans und Grete.

Six hours a week for first half year.

Physics.—Olmsted's College Philosophy ; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Chemistry I.—Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

Chemistry II.—Organic and Physiological Chemistry, Lectures, with recitations.

Optional, four times a week for second half year.

English Literature.

Optional, as an alternate with Chemistry II.

Mental Philosophy.—Porter's Human Intellect.

Three hours a week for second half year.

Natural History.—Botany, Gray's Lessons and Manual; Zoology, Nicholson's.

Four hours a week for second half year.

Rhetoric.—Six Themes.

Also three hours a week for the first half year and two for the second, in one of the following

ELECTIVE STUDIES.

Greek.—Plato.

Latin.—Juvenal; Cicero.

German.—Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

French.—Dramatists of the Classic Period; Modern Novelists; Macmillan's Fasnacht's Progressive French Course, Part III.

Rhetoric.—Analysis of Speeches.

Physics.—Investigations in the Laboratory; Projection with sunlight and lantern; Physical Manipulations, Pickering; Sound, Stone; Spectroscope, Lockyer; Projection, Dolbear.

Chemistry.—Inorganic Chemistry, Laboratory Work, for the year; Qualitative Analysis, second half year.

Engineering.—Descriptive Geometry; Drafting.

Mathematics.—Differential and Integral Calculus.

Oratory.—Special Drill in Reading and Declamation.

SENIOR CLASS.

Natural History.—Geology, Le Conte's, with Lectures, Mineralogy, with Lectures.

Four hours a week for first half year.

Moral Philosophy.—Calderwood's Moral Science.

Four hours a week for first half year.

Political Economy.—Fawcett's, with Lectures.

Four hours a week for second half year.

Logic.—Jevons's; Induction.

Four hours a week for second half year.

Rhetoric.—Six Themes.

Also six hours a week for the year in two of the following

ELECTIVE STUDIES :

Jurisprudence.—Ancient Law; Roman Law; International Law; Constitutional Law; Lectures.

English Literature; Logic; Metaphysics.

Greek, Latin, French, or German Literature.

Italian.—Sauer's Grammar; Manzoni, I Promessi Sposi.

Mathematics.—Geometry of Three Dimensions; Mechanical and Architectural Drawing; Salmon's Conic Sections; Advanced Mathematics.

Chemistry.—Assaying, Laboratory Work; Quantitative Analysis; Organic Chemistry, Laboratory Work.

Physics.—Natural Philosophy, Thomson and Tait; Heat, Maxwell; Electricity, Thompson, Cummings; Investigations in the Physical Laboratory, Spottiswood, Pickering.

Natural History.—Biology, Huxley and Martin's; Botany, Bessie's; Zoology, Packard's, with Practical Work in the Laboratory, first half year; Mineralogy, Dana's Text Book; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work, second half year.

Engineering.—Topographical Surveying and Drawing; Steam Engine.

Oratory.—Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course of instruction, prepared for those who enter for the degree of Bachelor of Philosophy, occupies four years. It includes all the studies of the Regular Course, except Greek, requires additional French and German, and offers an opportunity of pursuing certain elective studies to a greater extent.

The requisitions for admission are the same as for the Regular Course, with the omission of Greek, and the addition of French, as follows: all of Otto's Grammar, or Macmillan's Fasnacht's Progressive French Course; the first fifteen chapters of Lacombe's *Petite Histoire du Peuple Français*.

COURSE OF STUDY.

This course is the same as the foregoing (pp. 14—17), with the omission of Greek, and with the following variations:

In the Freshman year,

French.—Lacombe's *Petite Histoire du Peuple Français*, concluded; Macmillan's Fasnacht's Progressive French Course, Part III.; Dramatists of the Classic Period; Modern Novelists.

Three hours a week for first, four for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

In the Sophomore year,

German.—Theoretical Grammar in Lectures, with Whitney's for reference; Macmillan's Fasnacht's Progressive

German Course, Part II; Spielhagen, Hans und Grete; Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

Six hours a week for first, three for second half year.

Also two hours a week for the first half year and three for the second in one of the following

ELECTIVE STUDIES :

Physics.—Work in the Physical Laboratory.

Engineering.—Descriptive Geometry; Drawing.

Rhetoric.—Analysis of Speeches.

In the Junior year,

German.—Vilmar, Geschichte der deutschen Literatur; Schiller, Wallenstein.

Three hours a week for first half year.

And six hours for the half year are divided between two of the specified elective studies.

DEPARTMENT OF ENGINEERING.

The degree of A. M. B. is conferred on those students who complete the prescribed studies of three years in the department of Engineering. These studies are arranged in two courses, for Civil and Electrical Engineers, and the course for which the degree is conferred is stated in the diploma.

The requisitions for admission are Mathematics, Modern Geography, English Grammar and Composition, the same as for the Regular Course (p. 15).

Students of the Regular and Philosophical courses may so arrange the elective work as to make it possible to obtain the degree in engineering after a post-graduate course of one year in this department.

COURSES OF STUDY.

CIVIL ENGINEERING.

FIRST YEAR.

Mathematics.—Wentworth's Complete Algebra; Wentworth's Solid and Spherical Geometry; Wentworth's Trigonometry.

Four hours a week for the year.

Descriptive Geometry; Shades and Shadows; Perspective.

Three hours a week for the year.

Surveying.—Theory, with Elementary Practice; Compass Surveys.

Three hours a week for first half year.

Chemistry.—Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

French.—Macmillan's Fasnacht's Progressive French Course, Parts I. and II.; Lacombe's Petite Histoire du Peuple Français

Six hours a week for second half year.

Drawing.—Plotting; Orthographic Projection.

Six hours a week for the year.

SECOND YEAR.

Mathematics I.—Bowser's Analytic Geometry; Applications of Trigonometry.

Four hours a week for first half year.

Mathematics II.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Magnus's.

Three hours a week for second half year.

Steam Engine.—Theory and Construction.

Four hours a week for second half year.

Topography.—Field Work, and Drawing.

Four hours a week for first, six for second half year.

Physics.—Olmsted's College Philosophy; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

THIRD YEAR.

Mathematics.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Applied Mechanics.

Four hours a week for the year.

Civil Engineering.—Strength of Materials; Stability of Structures of Stone, Wood, and Iron; Drainage and Sewerage; Hydraulics.

Four hours a week for the year.

Road Engineering.—Surveys and Estimates.

Three hours a week for first half year.

Drawing.—Structures and Machines.

Four hours a week for the year.

Natural History. — Mineralogy, Dana's Text Book; Plattner's Manual of Qualitative and Quantitative Blow-pipe Analysis, with Laboratory Work.

Six hours a week for second half year.

Preparation of Thesis.

ELECTRICAL ENGINEERING.

This course varies from the foregoing as follows :

FIRST YEAR.

In place of Descriptive Geometry,
Practical Work.—Woodwork ; Carpentering ; Pattern Making ; Turning.

Three hours a week for first half year.

Chemistry.—Inorganic Chemistry, continued.

Three hours a week for second half year.

SECOND YEAR.

In place of Topography,
Physics.—Investigations in the Laboratory.

Three hours a week for the year.

Machine Drawing.

Practical Work.—Filing ; Turning ; Screw-cutting.

Three hours a week for second half year.

THIRD YEAR.

In place of Mechanics, Civil Engineering, Road Engineering, and Drawing.

Electricity.—Mathematical Electricity.

Three hours a week for the year

Physics.—Laboratory Work, including Electrical Measurements and Applications of Electricity to Telegraph, Telephone, Lighting, Plating, and Transmission of Power.

Six hours a week for the year.

Natural History.—Physiology, Zoology, Geology, as in the Regular Course (pp. 18, 19, 20).

ELECTIVE STUDIES.—The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives requisite to fill this programme, extra electives may be taken, if in the judgment of the Faculty, they can be profitably pursued. Choice of elective or optional studies for the first half-year must be signified in writing to the Faculty on or before the first Saturday of the College year, and for the second half year on or before the last Saturday preceding mid-year. New elections may be made at such other times as are prescribed in the several departments.

EXAMINATIONS.—Frequent written reviews are held, and written examinations of all the classes at stated intervals, and on completion of studies.

RELIGIOUS OBSERVANCES.—All resident students are required to attend morning prayers in the Chapel.

All resident students are required to attend public worship on Sundays in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who, on the application of their parents and guardians, have been permitted to attend regularly elsewhere.

RUSSELL LECTURE.—The Russell Lecture, established in accordance with a bequest of the late Hon. James Russell, of Arlington, is delivered before the Trustees, Faculty, and Students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.—The Library, containing about 20,000 volumes and more than 7,000 pamphlets, is open to members of the College, both for consultation and for the drawing of books, from 9.30 to 5 on week days, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND.—The income of a fund of twelve hundred dollars, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

EXPENSES.

College Charges, (Tuition, Care of Rooms, Incidentals,) per year,	\$100.00	\$100.00
Half Room Rent, from \$15.00 to \$50.00. per year,	15.00	50.00
Board, \$3.00 to \$4.00 per week,	117.00	156.00
	<hr/>	<hr/>
Total,	232.00	306.00

While the College charges are as above stated, one hundred dollars per year, the College is, practically, free to those whose circumstances necessitate it.

Students board in commons at \$3.00 per week; in private families at \$3.00 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March; the second is made immediately after Commencement, and is payable on the first day of the following College year, but the second bill of the senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

Scholarships in the gift of the College are as follows:

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FIVE HOWLAND SCHOLARSHIPS, of *one hundred dollars* each established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M. D., of Newport, R. I.

THE PERKINS SCHOLARSHIP, of *fifty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N. Y., by a donation of one thousand dollars.

THE A. A. MINER SCHOLARSHIP, of *fifty dollars*, established by a donation of one thousand dollars.

THE GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood, of Malden, given to such student as shall have made the best attainments in Oratory.

FOUR PRIZE SCHOLARSHIPS of NATURAL HISTORY, (I. Tully, II. Olmsted, III. Leavenworth, IV. Miner), from the income of a special fund established by the late Charles Hyde Olmsted, which are given to such competitors as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated.

FREE SCHOLARSHIPS.—“Ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from, or leave the College, others are selected to take their places.”

The income of the MOSES DAY FUND, of five thousand dollars, is appropriated to the aid of needy and deserving young men.

In addition to the foregoing, PRIZE SCHOLARSHIPS are established in connection with the following Preparatory Schools: Dean Academy, Westbrook Seminary, Goddard Seminary, and Perkins Academy. One such scholarship is open to competition annually in each of these schools, and will be awarded to the student of highest attainments, who, during an attendance of not less than two years in the school from which he presents himself, has attained eighty per cent. in all the studies of his preparatory course, and who has answered correctly at least seventy-five per cent. of all the questions proposed by the Faculty for admission to college. The amount of a scholarship is *one hundred and twenty-five dollars* a year, and the student to whom one is awarded shall be entitled to receive it during the four years of his college course, provided that he takes rank and holds it in the upper third of his class, and provided that his conduct shall commend itself in all respects to the Faculty. In all cases the Faculty shall be judges of the per cent. attained by students.

These awards are made by the Board of Trustees on the recommendation of the Faculty. When voted, except the Free Scholarships and the Preparatory School Prize Scholarships, they are understood to cover the college year just ended; but the obtaining of a scholarship for one year does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year; that of the Bell-ringer, *one hundred dollars*.

Applications for Scholarships and other aids must be made to the Faculty on or before the first day of June; and, if the applicant be a minor, must be sanctioned by his parent or guardian.

No one need apply who has not made satisfactory progress, or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the Academical year, four prizes of *fifteen dollars* each are assigned from the Goddard Prize Fund, as follows:

A Prize for the best Dissertation, by a member of the Senior Class, on a subject assigned.

A Prize for the best Examination in Plato's Symposium, or the Clouds of Aristophanes, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of two Sections of Chapter LXIX. in Liddell's History of Rome, beginning with the eighteenth.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President's office by the 1st of May, in sealed envelopes, accompanied by sealed letters containing the authors' names.

RHETORICAL PRIZES.—Six prizes are awarded as follows:

Two PRIZES, of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two PRIZES, of *twenty* and *ten dollars* respectively, to members of the Junior Class, for the best exhibition of improvement and skill in Elocution.

Two PRIZES, of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for Reading and Declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

Two PRIZES, of *thirty* and *twenty dollars* respectively, are awarded for the best entrance Examinations. To receive either the candidate must pass in all the subjects required for admission to college, and must be admitted without conditions. These prizes are payable at the end of the first half year in college.

PACKARD PRIZES.—In accordance with a provision of the will of the late Silvanus Packard, ten prizes, of *twenty dollars* each, are

annually awarded to as many students who rank highest in scholarship and good behavior.

The foregoing Prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

AWARDS FOR 1883.

For Examination in Mathematics.

TO TRUE WORTHY WHITE, of the Freshman Class.

For Latin Prose.

TO SAMUEL WARREN MENDUM, of the Sophomore Class.

Greenwood Prize Scholarship.

TO WINFIELD SCOTT WARD, of the Senior Class.

Natural History Prize Scholarships.

TO HUBERT FOOTE EDWARDS, of the Senior Class, FRED STARK PEARSON, of the Third Engineering Class, and PHILIP GREEN WRIGHT, of the Second Engineering Class, in the department of Mineralogy.

For Declamation.

TO ALSTON WILLIAM DANA and EDWIN AUGUSTUS START, of the Junior Class; and to JAMES HARRY HOLDEN and SAMUEL WARREN MENDUM, of the Sophomore Class.

Packard Prizes.

TO WINTHROP LIPPITT MARVIN, ARTHUR JOHN FYNN, and FRED OLIVER KENDALL, of the Junior Class; ISAAC WELLINGTON CROSBY and WILLIAM HILTON GOULD, of the Sophomore Class; DANIEL GUSTAVUS ABBOTT, RALPH EDGAR JOSLIN, FRED ALAN TAYLOR, and TRUE WORTHY WHITE, of the Freshman Class; and FELIPE CARDENAS, of the Third Engineering Class.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any Senior of the Regular Course, or of the Philosophical Course, who shall have complied with the following conditions: 1. He must have excelled in the required work of the study in which he desires honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examinations on them with distinction. 3. He must pass an examination before a committee of the Faculty on as much extra work in the study in which he desires honors as would be equal to two hours a week for a year. This examination may be either oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows: I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. Philosophy, VI. Modern Languages, VII. Classics.

A student is expected to apply for honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of honors, as well as the department, will be mentioned in the diploma and printed in the catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such graduates of the Regular Course, and of the Philosophical Course, as shall pursue during a residence of not less than one year and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A. B. and B. Ph. are given by Tufts College. THE DEGREE OF MASTER OF MECHANIC ARTS will be conferred, on the same conditions, upon graduates in the Department of Engineering.

FACULTY OF THE DIVINITY SCHOOL.

ELMER H. CAPEN, D.D., *President.*

THOMAS J. SAWYER, D.D., *Dean.*

CHARLES H. LEONARD, D.D.

WILLIAM G. TOUSEY, A.M., B.D., *Secretary*

GEORGE T. KNIGHT, A.M., B.D.

GEORGE M. HARMON, A.M., B.D.

MOSES T. BROWN, A.M.

EDWIN C. BOLLES, Ph.D., D.D.,

ALONZO A. MINER, D.D., LL.D.

RICHARD EDDY, D.D.

HENRY W. RUGG.

STUDENTS.

FIRST YEAR.

Cobb, Albert Winslow,	<i>East Boston,</i>	West Hall, 22.
Rawlins, James,	<i>San Jose, Cal.,</i>	West Hall, 29.
Reardon, John Benjamin,	<i>Bristol, N. Y.,</i>	West Hall, 31.
Tuttle, Walter Augustus,	<i>Taunton,</i>	West Hall, 22.

SECOND YEAR.

Barber, Eliot Bates,	<i>Norwich, Conn.,</i>	West Hall, 27.
Canfield, Harry Lee,	<i>Bellville, Ohio,</i>	West Hall, 28.
Carney, James Weston, B.S., (<i>Lom. Univ.</i>)	<i>Galesburg, Ill.,</i>	West Hall, 26.
Fisher, Lee Howard,	<i>Charlotte, Me.,</i>	West Hall, 27.
Nickerson, Charles Sumner,	<i>Chatham,</i>	West Hall, 24.
Patterson, Charles Henry,	<i>Smithville, Ont.,</i>	West Hall, 26.
Waltch, Alexander Frank,	<i>East Boston,</i>	West Hall, 24.

THIRD YEAR.

Bailey, Charles Reuben,	<i>Piermont, N. H.,</i>	West Hall, 30.
Cutler, Julius Stearns,	<i>Deering, Me.,</i>	West Hall, 25.
Kimball, Arthur Dorman,	<i>Rochester, N. H.,</i>	West Hall, 32.

FOURTH YEAR.

Bartholomew, John May, A.B.,	<i>Franklin,</i>	West Hall, 23.
Hall, Frank Oliver,	<i>Vallejo, Cal.,</i>	West Hall, 25.
McCollister, Lee Sullivan, A.B.,	<i>Marlboro, N. H.,</i>	West Hall, 21.
Tomlinson, Vincent Eaton, B.S., (<i>Buchtel.</i>)	<i>Akron, Ohio,</i>	West Hall, 21.

A D M I S S I O N
TO THE
T H E O L O G I C A L C O U R S E .

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the day preceding the first day of the academic year.

Bachelors of Arts are admitted without examination. Other candidates must have received a good English education, and it is desirable that they should have some knowledge of the Latin and Greek languages.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology, should take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid such extensive preparation. To meet the wants of such, and yet provide for thorough training and comprehensive development, a four years course has been instituted.

COURSE OF STUDY.

FIRST YEAR.

Rhetoric.—Principles of Effective Speech ; Rhetorical Analysis ; Themes.

Logic.—Psychological Data ; Concepts and Propositions ; Deduction.

Greek Language.

Sacred Geography and Antiquities.

History.—The Life of Christ, and History of the Apostolic Age.

German Language.

Old Testament.—General Introduction ; Critical and Exegetical Readings.

Hebrew Language.

SECOND YEAR.

The Greek of the Gospels.

Logic.—Induction ; Definition ; Logic of the Sciences ; Fallacies.

Psychology.—The Intellect ; Historical Statement of the Leading Questions of Mental Philosophy.

German Language.

History.—History of the Church and of Doctrines from the Apostles to the Reformation.

New Testament.—Introduction to Study of the Gospels ; Principles of Interpretation ; Exegesis ; Exegetical Essays.

Homiletics.—History of Preaching ; The Conception and Structure of the Sermon ; Homiletic Analysis of Portions of the New Testament.

THIRD YEAR.

Psychology.—The Will; The Moral Nature; Ethical Theories; Christian Ethics.

History.—History of the Church, of Sects, and of Doctrines from the Reformation to Modern Times.

Exegesis.—Study of Selected Epistles; Exegetical Essays.

Theology.—Systematic Theology.

Homiletics.—Study of Sermons of Eminent Preachers; Lectures; The Composition and Delivery of Sermons.

Christian Evidences.—History of Doubt; Historical Evidences; Evidences in View of Modern Thought.

FOURTH YEAR.

Theology.—Systematic and Comparative; The Distinctive Doctrines of Universalism.

Natural Theology.—Theistic Arguments; Special Studies with reference to the Evidences of Order and Design; Analogy of Nature and Religion; Relations of Science and Christianity.

Homiletics.—Pulpit Monographs with reference to Method and Manner; Lectures on Sermon-style and Preaching.

Church Government.—The Ecclesiastical Polity of the New Testament; The Polity of Special Churches Compared; The Government and Discipline of the Universalist Church.

Pastoral Theology.—Pastoral Qualifications and Duties; The Administration of Religion in general; Organized work in the Parish.

Lectures on the Devout Life are given from time to time throughout the Course.

ESSAYS AND SERMONS.—In each department of study students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class. Criticisms in public and private.

EXAMINATIONS.—Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

ELECTIVE STUDIES.—Graduates, undergraduates sufficiently advanced, and other persons desirous of pursuing special studies, may receive instruction in Theology, Philosophy, Homiletics, General History, and Literature. Students are also permitted to attend lectures in the Academical department, subject, however, to the discretion of the Faculty.

DEVOTIONAL EXERCISES.—Devotional services are held daily in the chapel.

SOCIETIES.—The Zetaganthean Society holds weekly meetings for literary criticism, debates, orations, etc.

LIBRARIES.—Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

Supplementary lectures, which bear upon the general work of the Christian Ministry, and upon special subjects of study are given at intervals throughout the year by well-known Clergymen of the vicinity.

GENERAL FACILITIES.—Important facilities for general improvement are offered to students by the proximity of the school to such intellectual centres as Boston and Cambridge. Valuable libraries and cabinets are made accessible. Elaborate courses of lectures on scientific, social and literary subjects, are presented to the public from time to time. The most noted divines of New

England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES, DEGREES, ETC.—The Full Course occupies three years for Bachelors of Arts; for all others, four years. The Special Courses occupy respectively, one, two, and three years. Diplomas certifying to attainments are conferred upon those who have taken one of the Special Courses. The Degree of BACHELOR OF DIVINITY is conferred upon those who sustain satisfactorily an examination upon the studies of the Full Course.

ROOMS AND EXPENSES.—The rooms assigned to the Divinity Students, in the West Hall, are large, well-ventilated apartments. Each study is provided with suitable furniture; and the bed-room adjoining each study is furnished with bedstead, bureau, etc.

Tuition, room-rent, and use of furniture free. Board about three dollars per week. The necessary school expenses, including board, washing, fuel, light, text-books, etc., will not exceed two hundred dollars per year.

The General Convention of Universalists aids students by a system of loans; and those in the regular course who have shown sufficient maturity, are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

THE GREENWOOD SCHOLARSHIP.—The income of one thousand dollars will be given as a Prize-Scholarship to some member of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

AWARDS.—This Prize-Scholarship for the year 1881-82 was awarded to Charles Arthur Knickerbocker, first prize; Frank Oliver Hall, second prize; Olney Inman Darling, third prize.

This Prize-Scholarship for the year 1882-83 was awarded to Frank Oliver Hall, first prize; Lee Sullivan McCollister, second prize; Olney Inman Darling, third prize.

CALENDAR.

1883.

Sept.	20.	Term begins,	Thursday morning.
Sept.	23.	Russell Lecture,	Sunday 4 P.M.
Dec.	19.	Recess begins,	Wednesday evening.

1884.

Jan.	2.	Recess ends,	Wednesday evening.
Feb.	2.	End of first half-year,	Saturday.
June	10.	Prize Speaking and Reading,	Tuesday, P.M.
June	15.	Baccalaureate Sermon,	Sunday.
June	18.	Commencement, third Wednesday in June.	
June	19.	Examination for admission begins,	Thursday, 9 A.M.

SUMMER VACATION, THIRTEEN WEEKS.

Sept.	9.	Annual meeting of the Board of Trustees.	
Sept.	16.	Second Examination for Admission, Tuesday,	9 A.M.
Sept.	17.	Examination for Admission to the Divinity School.	
Sept.	18.	College Year begins,	Thursday morning.
Sept.	21.	Russell Lecture,	Sunday, 4 P.M.

NOTE.—Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6.45, 7.35, 9.05, 9.45, 10, 11.30 A.M., 12.10, 3.15, 4.30, 5.10, 6, 6.30, 7.30, 9.30, and 11.20 P.M. Return at 6.14, 6.49, 7.22, 8.09, 9.23, 10.35 A.M., 1.30, 3.05, 3.35, 4.21, 5.07, 5.43, 6.39, 8.51, and 10.35 P.M. The College is four miles from Boston, Post-Office address, College Hill, Mass.

C
81H
884/85
cop. 2.

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1884-85.



BOSTON:
PRINTED BY WALLACE SPOONER,
PROVINCE STREET.

TRUSTEES.

HON. CHARLES ROBINSON, JR., LL.D., PRESIDENT.
REV. ALONZO A. MINER, D.D., LL.D.
JAMES O. CURTIS, Esq.
REV. LUCIUS R. PAIGE, D.D.
HON. TIMOTHY T. SAWYER.
HON. NEWTON TALBOT.
REV. ELMER H. CAPEN, D.D.
NORMAN C. MUNSON, Esq.
CHARLES G. POPE, A.M.
ZEBULON L. WHITE, Esq.
WILLIAM H. FINNEY, A. M., TREASURER.
CHARLES S. FOBES, A.M.
CHARLES H. ROGERS, Esq.
HON. HOSEA M. KNOWLTON.
THOMAS H. ARMSTRONG, A. M., SECRETARY.
REV. HENRY W. RUGG.
JOHN D. W. JOY, Esq., VICE-PRESIDENT.
REV. J. COLEMAN ADAMS, A.M.
HON. CHARLES WHITTIER.
REV. EDWIN C. BOLLES, D.D.
WILMOT L. WARREN, Esq.
BYRON GROCE, A.M.
ARTHUR E. DENISON, Esq.
HENRY D. WILLIAMS, A.M.
HON. JOSEPH DAVIS.
THOMAS G. FROTHINGHAM, Esq.
WILLIAM OSCAR CORNELL, Esq.
WILLIAM B. BEMENT, Esq.
HON. HOSEA W. PARKER.
HON. WILLIAM D. WASHBURN.

OFFICERS OF INSTRUCTION AND
GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, D.D.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, M.E., PH.D.,
Professor of Physics and Astronomy.

REV. GEORGE M. HARMON, A.M., B.D.,
Assistant Professor of Theology.

MOSES T. BROWN, A.M.,
Professor of Oratory

CHARLES E. FAY, A.M.,
Wade Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,
Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, D.D.,
Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,
Professor of Psychology and Natural Theology.

GEORGE T. KNIGHT, A.M., B.D.,
Professor of Church History.

WILLIAM L. HOOPER, A.M.,
Assistant Professor of Physics.

ARTHUR MICHAEL, A.M.,
Professor of Chemistry.

FRED S. PEARSON, A.M.B.,
Walker Special Instructor in Mathematics.

JOSIAH P. RYDER, S.B.,
Assistant in Inorganic Chemistry.

GEORGE M. PALMER,
Assistant in Organic Chemistry.

REV. EDWIN C. BOLLES, PH.D., D.D.,
Lecturer on the Need and Value of Science to the Minister

REV. ALONZO A. MINER, D.D., LL.D.,
Lecturer on the Ethics of Doctrine.

REV. HENRY I. CUSHMAN, A.M.,
Lecturer on Study and Service in The Ministry.

REV. ADONIRAM J. PATTERSON, D.D.,
Lecturer on the Work of the Preacher.

HELEN L. MELLEN,
Librarian.

BOARDS OF VISITORS.

COLLEGE OF LETTERS.

REV. C. J. WHITE, A.M., *Chairman.*

REV. H. I. CUSHMAN, A.M.

BYRON GROCE, A.M.

CHARLES G. POPE, A.M.

L. L. DAME, A.M.

Z. L. WHITE.

REV. HENRY BLANCHARD, A.M.

REV. E. C. BOLLES, D.D.

REV. C. H. EATON.

DIVINITY SCHOOL.

REV. H. W. RUGG, *Chairman.*

REV. J. COLEMAN ADAMS, A.M.

REV. C. W. BIDDLE.

REV. J. K. MASON.

REV. M. H. HARRIS.

REV. OSCAR F. SAFFORD.

REV. W. S. WOODBRIDGE.

FACULTY
OF THE
COLLEGE OF LETTERS.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M., *Dean.*

JEROME SCHNEIDER, PH.D.

HEMAN A. DEARBORN, A.M., *Secretary.*

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, D.D.

AMOS E. DOLBEAR, M.E., PH.D.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M.

CHARLES D. BRAY, C.E., A.M.

WILLIAM L. HOOPER, A.M.

ARTHUR MICHAEL, A.M.

FRED S. PEARSON, A.M.B.

C A N D I D A T E S

FOR THE DEGREE OF

MASTER OF ARTS.

- Hamilton, Frederick William, '80, *Portland, Me.*
(*Philosophy and English Literature.*)
- Hawes, Frank Mortimer, '72, *Somerville.*
(*Latin and Roman History.*)
- Kendall, Fred Oliver, '84, *So. Woodstock, Vt.*
(*Chemistry and Mineralogy.*)
- Perry, Oscar Hoyt, '83, *Franklin.*
(*Greek and Latin.*)
- Riley, Herbert Smith, '82, *Bridgton, Me.*
(*Latin and English Literature.*)
- Stearns, Harry, '84, *Glastonbury, Ct.*
(*Philosophy and English Literature.*)

UNDERGRADUATES.

SENIOR CLASS.

✓ Bennett, John Corliss,	<i>Gloucester,</i>	West Hall, 11.
Borden, Charles Fox,	<i>Albion, N. Y.,</i>	East Hall, 18.
Crosby , Isaac Wellington,	<i>Charlestown,</i>	West Hall, 12.
Crosby, James Wellington,	<i>Charlestown,</i>	West Hall, 12.
De Coster, Harry Allison,	<i>Buckfield, Me.,</i>	East Hall, 25.
Eveleth, George Simonds,	<i>Auburn, Me.,</i>	East Hall, 25.
✓ Gould, William Hilton,	<i>E. Turner, Me.,</i>	West Hall, 10.
Griswold, Dwight,	<i>Middleville, N. Y.,</i>	East Hall, 31.
Holden, James Harry,	<i>Middlesex, Vt.,</i>	West Hall, 11.
Hutchings , Joseph Henry,	<i>Woburn,</i>	Mid. Hall, 12.
Lawrence, Abbott Waldron,	<i>Chelsea,</i>	West Hall, 1.
Mendum, Samuel Warren,	<i>Dorchester,</i>	West Hall, 9.
Pushaw , Frank Leslie,	<i>Canton,</i>	Dr. Cabot's.
Smith, Clarence Victor Nye,	<i>Mt. Gilead, O.</i>	West Hall, 28.
Taylor, Herbert Edgar,	<i>College Hill,</i>	West Hall, 9.
White, Rufus Austin,	<i>Towanda, Pa.,</i>	East Hall, 16.
Woodbury , William Richardson,	<i>Melrose,</i>	West Hall, 1.

JUNIOR CLASS.

Abbott, Daniel Gustavus,	<i>North Reading,</i>	East Hall, 19.
Braley, George Herbert,	<i>Barre, Vt.,</i>	West Hall, 4.
Dunham, Herman Horace,	<i>Woodstock, Vt.,</i>	West Hall, 6.
Hersey, Ralph Waldo,	<i>Belfast, Me.,</i>	West Hall, 8.
Joslin, Ralph Edgar,	<i>Hudson,</i>	West Hall, 4.
Ludden, Charles Mandeville,	<i>Canton Point, Me.,</i>	Mid. Hall, 7.
Mackin, John Clarence,	<i>Rockland,</i>	West Hall, 2.
Spaulding, Fred Clifford,	<i>Eddington, Me.,</i>	West Hall, 10.
Stone, Henry Beecher,	<i>Rochester, Vt.,</i>	East Hall, 19.
Sweetser, Frank Kittridge,	<i>Stoneham,</i>	West Hall, 2.
Taylor, Fred Allan,	<i>College Hill,</i>	West Hall, 7.
Wellington, Archibald Cone,	<i>Adams,</i>	West Hall, 8.
White, Neal Alton,	<i>East Calais, Vt.,</i>	West Hall, 6.
Whittemore, Harry Weston,	<i>Lyndeboro, N. H.,</i>	Mid. Hall, 8.
Wilder, Frederick Henry,	<i>Sterling.</i>	West Hall, 7.

SOPHOMORE CLASS.

Bailey, George Austin,	<i>Belfast, Me.,</i>	West Hall, 8.
Bateman, Frank Elliott,	<i>Charlestown,</i>	East Hall, 18.
Chapin, George Albert,	<i>Antrim, N. H.,</i>	East Hall, 6.
Cook, Daniel Addison,	<i>Wrentham,</i>	East Hall, 10.
Cook, Nelson Pingry,	<i>Mount Holly, Vt.,</i>	East Hall, 1.
Cook, Waldo Lincoln,	<i>Woonsocket, R. I.,</i>	East Hall, 30.
Fairbanks, Wilson Lincoln,	<i>Natick,</i>	East Hall, 13.
Foster, Stephen Austin,	<i>Derby Line, Vt.,</i>	West Hall, 16.

Frothingham, Thomas Goddard,	<i>Charlestown,</i>	West Hall, 5.
Lewis, Leo Rich,	<i>South Boston,</i>	West Hall, 16.
Maulsby, David Lee,	<i>Baltimore, Md.,</i>	East Hall, 23.
Patterson, Charles Henry,	<i>Smithville, Ont.,</i>	West Hall, 26.
Prouty, Willis James,	<i>Spencer,</i>	East Hall, 23.
Sargent, John Garibaldi,	<i>Plymouth, Vt.,</i>	East Hall, 1.
Snow, Alva Edson,	<i>Mattapoisett,</i>	East Hall, 22.
Woodward, William Andrew,	<i>Stoneham,</i>	East Hall, 22.

FRESHMAN CLASS.

Brown, Robert Calthrop,	<i>College Hill,</i>	Prof. Brown's.
Burrell, Joseph Thomas French,	<i>Quincy,</i>	East Hall, 5.
Cambridge, Charles Henry,	<i>Grafton, Vt.,</i>	Mid. Hall, 19.
Coburn, Lewis Dwight,	<i>N. Montpelier, Vt.,</i>	West Hall, 3.
Crooks, Clarence Augustus,	<i>So. Franklin,</i>	Mid. Hall, 18.
Durkee, Frank Williams,	<i>N. Tunbridge, Vt.,</i>	West Hall, 15.
Edgerly, Julianne Campbell,	<i>College Hill,</i>	Mrs. Edgerly's.
French, Clarence Freeman,	<i>Waltham,</i>	Mid. Hall, 18.
Gardner, Fred Eugene,	<i>Chatham, N. Y.,</i>	West Hall, 14.
Goodridge, Benjamin Thomas,	<i>Deering, Me.,</i>	East Hall, 26.
Hollister, Orlando Knapp,	<i>N. Montpelier, Vt.,</i>	West Hall, 13.
Huntress, Frank Elias,	<i>Somerville,</i>	East Hall, 9.
Linscott, Percy William,	<i>Woburn,</i>	Mid. Hall, 17.
Murdock, Charles Henry,	<i>Stow,</i>	Mid. Hall, 15.
Murdock, George Frederick,	<i>Stow,</i>	West Hall, 3.
Nelson, Charles Chresten,	<i>Gloucester,</i>	East Hall, 27.

Newberry, Samuel H,	<i>Poland, N. Y.,</i>	East Hall, 31.
Poole, Eugene Warren,	<i>Woburn,</i>	Mid. Hall, 17.
Raymond, George Walker,	<i>Ludlow, Vt.,</i>	East Hall, 9.
Rice, Hamilton,	<i>Palatine Bridge, N. Y.,</i>	West Hall, 14.
Robinson, Albert Carmi,	<i>Somerville,</i>	East Hall, 9.
Robinson, Sumner,	<i>W. Newton,</i>	East Hall, 8.
Swift, Frederick Howard,	<i>Gloucester,</i>	East Hall, 27.
Young, Charles Lowell,	<i>Somerville,</i>	Mid. Hall, 10.

SPECIAL STUDENTS.

Albion, James Francis,	<i>Woonsocket, R. I.,</i>	East Hall, 30.
Bailey, Ernest Wasson,	<i>Somerville,</i>	Mrs. Bailey's.
Brastow, George Keyes,	<i>Somerville,</i>	Mrs. Brastow's.
Keyes, Arthur Louis,	<i>Wilton, N. H.,</i>	Mid. Hall, 9.
Record, Florian Delton,	<i>Auburn, Me.,</i>	East Hall, 2.
Sawyer, Willis Herbert,	<i>Antrim, N. H.,</i>	East Hall, 6.

DEPARTMENT OF ENGINEERING.

THIRD CLASS.

Edwards, Herbert Foote, Ph. B.,	<i>College Hill,</i>	Pres. Capen's.
Lee, Edwin Massena,	<i>Newfield, N. J.,</i>	Mid. Hall, 7.

SECOND CLASS.

Chapman, Fred Palmer,	<i>Franklin,</i>	East Hall, 10.
Gannett, William Phelps,	<i>Roxbury,</i>	East Hall, 14.
Starrett, Milton Gerry,	<i>Francestown, N. H.,</i>	Mid. Hall, 9.
Perry, Frank Elliot,	<i>Natick,</i>	East Hall, 13.

FIRST CLASS.

Ames, Bradford Lawton,	<i>Osterville,</i>	East Hall, 15.
Bruce, Thomas Kitson,	<i>Winchester,</i>	Mid. Hall, 12.
Galletly, James Frederick,	<i>Somerville,</i>	Mid. Hall, 1.
Gloyd, William S,	<i>Richmond, Vt.,</i>	West Hall, 13.
Hayes, Harry Wilde,	<i>Medford,</i>	Mid. Hall, 11.
King, Charles A1,	<i>Portland, Me.,</i>	East Hall, 26.
Marks, Burton Mansfield,	<i>Philadelphia, Pa.,</i>	Mrs. Edgerly's.
Melcher, Frank Otis,	<i>Franklin,</i>	East Hall, 15.
Metcalf, Edward Roulston,	<i>W. Newton,</i>	East Hall, 28.
Moore, John Winfield,	<i>Chelsea, Vt.,</i>	West Hall, 15.
Perkins, Carlos Winthrop,	<i>Hyannis,</i>	East Hall, 11.
Slayton, Herbert Edwin,	<i>So. Woodstock, Vt.,</i>	East Hall, 5.
Smith, Lawrence Thayer,	<i>Providence, R. I.,</i>	East Hall, 11.
Smith, John William,	<i>Boston Highlands,</i>	East Hall, 14.
Spinney, Carleton Ferguson,	<i>W. Medford,</i>	Mid. Hall, 11.
Stone, Frank Skinner,	<i>Somerville,</i>	Mid. Hall. 1.
Valdes, Clemente,	<i>Patos, Mexico,</i>	Mrs. Perkins's.

SPECIAL STUDENT.

White, Roger Sherman,	<i>Methuen,</i>	Mid. Hall, 8.
-----------------------	-----------------	---------------

REQUISITIONS FOR ADMISSION.

For admission to the Freshman Class, an examination must be well sustained in the following studies :

Latin.—Cæsar's Gallic War, Books I.—IV. ; Cicero's Orations, those against Catiline, for Archias, Marcellus, and the Manilian Law; Virgil's *Æneid*, Books I.—VI.; Ovid's *Metamorphoses*, 2500 lines; Allen and Greenough's, or Harkness's Grammar, including Prosody; Allen's Latin Composition, and translation into Latin of a connected passage of English Prose, not taken from the text-book, but involving only familiar words and idioms.

While the foregoing requirements are preferred, equivalents will be accepted; also, in place of the last two orations of Cicero and the specified amount of Ovid, an examination may be taken, if desired, on average passages from each of the above-named works, not included in the portions prescribed.

Greek.—I. Three Books of Homer's *Iliad*; four Books of Xenophon's *Anabasis*; Hadley's, Crosby's, Curtius's, or Goodwin's Greek Grammar, including Prosody; writing Greek with the Accents; or, as an alternative,

II. Translation at sight of easy passages of the *Anabasis* and of average passages from the *Iliad* (with a vocabulary of the less used words), in place of the quantity requisition in Xenophon and Homer; Prose Composition as in I.

It is recommended that special attention be given to translating English into Greek and Latin, and that pupils be accustomed to this exercise from the beginning of the preparatory course.

German or French.—For admission to the Philosophical Course,

German or French may be substituted for Greek. The candidate must give evidence of a thorough knowledge of the accidents and more important principles of syntax of the language presented and be able to render simple English sentences into the same, and must have translated the equivalent of two hundred duodecimo pages, including one classic drama. Macmillan's Progressive German (or French) Course may represent the amount of text-book work in grammar and composition requisite in preparation for this course.

Mathematics.—Arithmetic, with the Metric System; Algebra through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents; Plane Geometry.

Geography and History.—Outlines of Ancient Geography; Smith's Smaller History of Greece, to the death of Alexander; Leighton's or Smith's History of Rome.

English Grammar and Composition.—Spelling; Punctuation; Structure of Sentences; Correct Use of Words; Clearness of Expression. The examination will consist,—1, in writing a short composition on a subject assigned; 2, in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature. All the books named for a given year are to be read and from one or more of them subjects will be assigned at the time of examination.

For 1885—Shakespeare's Macbeth; First two Books of Milton's Paradise Lost; Irving's Sketch Book; George Elliot's Silas Marner; Emerson's Essay on Eloquence, in "Society and Solitude."

For 1886—Shakespeare's Macbeth; First two Books of Milton's Paradise Lost; Dickens's Tale of Two Cities; Goldsmith's She Stoops to Conquer.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A. M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through which such class has passed. To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman class one year later may present themselves for a preliminary examination, if prepared on not less than nine of the sixteen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the sixteen, Latin represents six subjects, Greek, German, or French four, Mathematics three, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

Latin.—Livy (Chase & Stuart's) ; Cicero de Senectute (Reid's) ; Horace, Odes and Epodes (Chase & Stuart's) ; Harkness's Latin Composition, Part III., with Extempore Exercises.

Four hours a week for the year.

Roman History.—Liddell ; Rawlinson's Manual ; Ramsay's Elementary Manual of Roman Antiquities, with Illustrated Lectures ; Lectures on the History of the Latin Language and Literature.

Two hours a week for the year.

Greek.—Xenophon ; Herodotus ; Thucydides ; Homer's Odyssey ; Dialects ; Prose Composition ; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

Mathematics.—Wells's University Algebra ; Walsh's Solid and Spherical Geometry ; Wells's Trigonometry.

Four hours a week for the year.

Oratory.—Declamations ; Lectures.

Two hours a week for second half year.

SOPHOMORE CLASS.

Latin.—Horace, Satires and Epistles ; Cicero de Amicitia (Reid's) ; Germania and Agricola of Tacitus (Chase & Stuart's) ; Translation into Latin, Bennett's Second Latin Writer, with Extempore Exercises.

Four hours a week for first, three for second half year.

French.—Macmillan's Fasnacht's Progressive French Course Parts I. and II.; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

Greek I.—The Orators; Prose Composition.

Four hours a week for first half year.

Greek II.—The Dramatists; Study of Metres.

Optional, three hours a week for second half year.

Natural History.—Walker's Physiology.

Optional, as an alternate with Greek II.

Physics.—Daniell's Principles.

Three hours a week for second half year.

Mathematics.—Briggs's and Smith's Analytic Geometry; Applications of Trigonometry; Special Trigonometry.

Four hours a week for first half year.

Oratory.—Lectures; Declamation.

Two hours a week for second half year.

Rhetoric.—A. S. Hill's; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

German.—Theoretical Grammar in Lectures, with Brandt's for reference; Eysenbach's Practical Grammar; Jensen, Die braune Erica.

Six hours a week for first half year.

Physics.—Daniell's Principles; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Chemistry I.—Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

Chemistry II.—Organic and Physiological Chemistry, Lectures, with recitations.

Optional, four times a week for second half year.

*English Literature.**Optional, as an alternate with Chemistry II**Mental Philosophy.*—Porter's Human Intellect.*Three hours a week for second half year.**Natural History.*—Botany, Gray's Lessons and Manual ; Zoology, Packard's*Four hours a week for second half year.**Rhetoric.*—Six Themes.

Also three hours a week for the first half year and two for the second in one of the following

ELECTIVE STUDIES:

Greek.—Plato.*Latin.*—Juvenal ; Cicero.*German.*—Goethe, Hermann und Dorothea ; Schiller, Maria Stuart.*French.*—Dramatists of the Classic Period ; Modern Novelists ; Macmillan's Fasnacht's Progressive French Course, Part III.*Rhetoric.*—Analysis of Speeches.*Physics.*—Investigations in the Laboratory ; Physical Manipulations, Pickering, Kohlrausch ; Light, Glazebrook ; Electricity, Trowbridge ; Projection, Dolbear.*Chemistry.*—Inorganic Chemistry, Laboratory Work, for the year ; Qualitative Analysis, second half year.*Engineering.*—Descriptive Geometry ; Drafting.*Mathematics.*—Differential and Integral Calculus.*Oratory.*—Special Drill in Reading and Declamation.

SENIOR CLASS.

Natural History.—Geology, Le Conte's, with Lectures ; Mineralogy, with Lectures.*Four hours a week for first half year.**Moral Philosophy.*—Calderwood's Moral Science.*Four hours a week for first half year.*

Political Economy.—Fawcett's, with Lectures.

Four hours a week for second half year.

Logic.—Jevons's; Fowler's.

Four hours a week for second half year.

Rhetoric.—Six Themes.

Also six hours a week for the year in two of the following

ELECTIVE STUDIES:

Jurisprudence.—Ancient Law ; Roman Law ; International Law ; Constitutional Law ; Lectures.

English Literature ; Logic ; Metaphysics.

Greek, Latin, French, or German Literature.

Italian.—Sauer's Grammar ; Manzoni, I Promessi Sposi.

Mathematics.—Geometry of Three Dimensions ; Mechanical and Architectural Drawing ; Salmon's Conic Sections ; Advanced Mathematics.

Chemistry.—Assaying, Laboratory Work ; Quantitative Analysis ; Organic Chemistry, Laboratory Work.

Physics.—Natural Philosophy, Thomson and Tait ; Heat, Maxwell ; Electricity, Thomson, Cummings, Gray, Gordon ; Investigations in the Physical Laboratory, Glazebrook, Pickering, Kohlrausch.

Natural History.—Biology, Huxley and Martin's ; Botany, Bessie's ; Zoology, Packard's, with Practical Work in the Laboratory, first half year ; Mineralogy, Dana's Text Book ; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work, second half year.

Engineering.—Topographical Surveying and Drawing ; Steam Engine.

Oratory.—Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course, leading to the degree of Bachelor of Philosophy, includes all the studies of the preceding course except Greek, for which the Modern Languages are substituted. It also offers an opportunity for pursuing elective studies to a somewhat greater extent.

The course of study coincides with the foregoing in the Senior year, and varies from it in the first three years, according as German (Course A) or French (Course B) has been presented for admission, as follows:

FRESHMAN CLASS.

In the place of Greek,

German (Course A).—Brandt's Grammar ; Historical Prose ; Dramatists of the Classic Period ; Composition.

Three hours a week for first, four for second half year.

French (Course B).—Macmillan's Fasnacht's Progressive French Course, Part III. ; Historical Prose ; Dramatists of the Classic Period ; Modern Novelists.

Three hours a week for first, four for second half year.

And in both courses,

Rhetoric.—A. S. Hill's ; Six Themes.

Four hours a week for first half year.

SOPHOMORE CLASS.

Course A, in the place of Greek, Rhetoric, and Natural History, *German*.—Vilmar, Geschichte der deutschen Literatur ; Lyric Poetry ; Contemporary Prose.

Three hours a week for first half year.

And five hours a week for the first half year and three for the second in one of the following elective studies :

Physics.—Work in the Physical Laboratory.

Engineering.—Descriptive Geometry ; Drawing.

Rhetoric.—Analysis of Speeches.

Course B, in the place of Greek, French, and Rhetoric,

German.—Theoretical Grammar in Lectures, with Brandt's for reference; Eysenbach's Practical Grammar, Jansen, Die braune Erica; Goethe, Hermann und Dorothea ; Schiller, Maria Stuart.

Six hours a week for first, three for second half year.

Natural History.—Walker's Physiology.

Three hours a week for second half year.

And two hours a week for the first half year and three for the second in one of the above mentioned elective studies.

JUNIOR CLASS.

In the place of elementary German and the optional study,

French (Course A).—Macmillan's Fasnacht's Progressive French Course, Part III. ; Historical Prose ; Dramatists of the Classic Period ; Modern Novelists.

Three hours a week for first, four for second half year.

German (Course B).—Brandt's Grammar ; Historical Prose ; Dramatists of the Classic Period ; Composition.

And in both courses, three additional hours of elective work for the first half year in one of the studies open to Juniors.

DEPARTMENT OF ENGINEERING.

The degree of Bachelor of Mechanic Arts is conferred on those students who complete the prescribed studies of three years in the department of Engineering. These studies are arranged in two courses, for Civil and Electrical Engineers, and the course for which the degree is conferred is stated in the diploma.

The requisitions for admission are Mathematics, English Grammar and Composition, as stated on page 16.

Students of the Classical and Philosophical courses may so arrange their elective work as to make it possible to obtain the degree in engineering after a post-graduate course of one year in this department.

COURSE IN CIVIL ENGINEERING.

FIRST YEAR.

Mathematics.—Wells's University Algebra ; Walsh's Solid and Spherical Geometry ; Wells's Trigonometry.

Four hours a week for the year.

Descriptive Geometry ; Shades and Shadows ; Perspective.

Three hours a week for the year.

Surveying.—Theory, with Elementary Practice ; Compass Surveys.

Three hours a week for first half year.

Chemistry.—Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

French.—Macmillan's Fasnacht's Progressive French Course, Parts I. and II. ; Lacombe's Histoire du Peuple Français.

Six hours a week for second half year.

Drawing.—Plotting ; Orthographic Projection.

Six hours a week for the year.

SECOND YEAR.

Mathematics I.—Bowser's Analytic Geometry ; Applications of Trigonometry.

Four hours a week for first half year.

Mathematics II.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Magnus's.

Three hours a week for second half year.

Steam Engine.—Theory and Construction.

Four hours a week for second half year.

Topography.—Field Work, and Drawing.

Four hours a week for first, six for second half year.

Physics.—Daniell's Principles ; Newcomb and Holden's Astronomy.

Four hours a week for first, three for second half year.

Rhetoric.—A. S. Hill's ; Six Themes.

Four hours a week for first half year.

THIRD YEAR.

Mathematics.—Differential and Integral Calculus.

Three hours a week for the year.

Mechanics.—Applied Mechanics.

Four hours a week for the year.

Civil Engineering.—Strength of Materials ; Stability of Structures of Stone, Wood, and Iron ; Drainage and Sewerage ; Hydraulics.

Four hours a week for the year.

Road Engineering.—Surveys and Estimates.

Three hours a week for first half year.

Drawing.—Structures and Machines.

Four hours a week for the year.

Natural History.—Mineralogy, Dana's Text Book ; Plattner's Manual of Qualitative and Quantitative Blow-Pipe Analysis, with Laboratory Work.

Six hours a week for second half year.

Preparation of Thesis.

COURSE IN ELECTRICAL ENGINEERING.

This course varies from the foregoing as follows :

FIRST YEAR.

In the place of Descriptive Geometry,

Practical Work.—Woodwork ; Carpentering ; Pattern Making ; Turning.

Three hours a week for first half year.

Chemistry.—Inorganic Chemistry, continued.

Three hours a week for second half year.

SECOND YEAR.

In the place of Topography,

Physics.—Investigations in the Laboratory.

Three hours a week for the year.

Machine Drawing.

Practical Work.—Filing ; Turning ; Screw-cutting.

Three hours a week for second half year.

THIRD YEAR.

In the place of Mechanics, Civil Engineering, Road Engineering, and Drawing.

Electricity.—Mathematical Electricity.

Three hours a week for the year.

Physics.—Laboratory Work, including Electrical Measurements and Applications of Electricity to Telegraph, Telephone, Lighting, Plating, and Transmission of Power.

Six hours a week for the year.

Natural History.—Physiology, Zoology, Geology, as on pages 19, 20, 21.

ADMINISTRATION OF THE COLLEGE.

ELECTIVE STUDIES.

The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives, requisite to fill this programme, extra electives may be taken, if, in the judgment of the Faculty, they can be profitably pursued. Choice of elective or optional studies for the first half year must be signified in writing to the Faculty on or before the first Saturday of the college year, and for the second half year on or before the last Saturday preceding mid-year. New elections may be made at such other times as are prescribed in the several departments.

RELIGIOUS OBSERVANCES.

All resident students are required to attend morning prayers in the Chapel.

All resident students are required to attend public worship on Sundays in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who on the application of their parents or guardians, have been permitted to attend regularly elsewhere.

RUSSELL LECTURE.

The Russell Lecture, established in accordance with a bequest of the late Hon. James Russell of Arlington, is delivered before the Trustees, Faculty, and Students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.

The Library, containing about 20,000 volumes and more than 7,000 pamphlets, is open to members of the College, both for consultation and for the drawing of books, from 9.30 to 5 on weekdays, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND.—The income of thirty-two hundred dollars, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

EXPENSES.

College Charges, (Tuition, Care of Rooms, Incidentals,) per year,	\$100.00	100.00
Half Room Rent, from \$15.00 to \$50.00, per year,	15.00	50.00
Board, \$3.50 to \$4.00 per week,	136.50	156.00
Total,	251.50	306.00

While the college charges are as above stated, one hundred dollars per year, the College is, practically, free to those whose circumstances necessitate it.

Students board in commons at \$3.50 per week ; in private families at \$3.50 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March ; the second is made immediately after Commencement, and is payable on the first day of the following college year, but the second bill of the Senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

Scholarships in the gift of the College are as follows :

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FIVE HOWLAND SCHOLARSHIPS, of *one hundred dollars* each, established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M. D., of Newport, R. I.

THE PERKINS SCHOLARSHIP, of *fifty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N. Y., by a donation of one thousand dollars.

THE A. A. MINER SCHOLARSHIP, of *fifty dollars*, established by a donation of one thousand dollars.

THE GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood of Malden, given to such student as shall have made the best attainments in Oratory.

FOUR PRIZE SCHOLARSHIPS of NATURAL HISTORY, (I. Tully, II. Olmstead, III. Leavenworth, IV. Miner,) from the income of a special fund established by the late Charles Hyde Olmstead, given to such competitors as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated.

PACKARD FREE SCHOLARSHIPS.—“Ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from, or leave the College, others are selected to take their places.”

THE MOSES DAY FUND, the income of five thousand dollars, is appropriated to the aid of needy and deserving young men.

PREPARATORY SCHOOL PRIZE SCHOLARSHIPS.—These are established in connection with the following Preparatory Schools: Dean Academy, Westbrook Seminary, Goddard Seminary, and Perkins Academy. One such scholarship is open to competition annually in each of these schools, and will be awarded to the student of highest attainments who, during an attendance of not less than two years in the school from which he presents himself, has attained eighty per cent in all the studies of his preparatory course, and who has answered correctly at least seventy-five per cent of all the questions proposed by the Faculty for admission to college. The amount of a scholarship is *one hundred and twenty-five dollars* a

year, and the student to whom one is awarded shall be entitled to receive it during the four years of his college course, provided that he takes rank and holds it in the upper third of his class, and provided that his conduct shall commend itself in all respects to the Faculty. In all cases the Faculty shall be judges of the per cent attained by students.

These awards are made by the Board of Trustees on the recommendation of the Faculty. When voted, except the Free Scholarships and Preparatory School Prize Scholarships, they are understood to cover the college year just ended. The obtaining of a scholarship for one year does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year ; that of the Bell-ringer, *one hundred dollars*.

Applications for Scholarships and other aids must be made to the Faculty on or before the first day of June ; and, if the applicant be a minor, must be sanctioned by his parent or guardian. No one need apply who has not made satisfactory progress, or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the Academical year, four prizes of *fifteen dollars* each, are assigned from the Goddard Prize Fund, as follows :

A Prize for the best Dissertation, by a member of the Senior Class, on a subject assigned.

A Prize for the best Examination in Plato's Symposium, or the Clouds of Aristophanes, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of the first six paragraphs of the 3d Section of Chapter IX. in Liddell's History of Rome.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President's office by the 1st of May, in sealed envelopes, accompanied by sealed letters containing the authors' names.

RHETORICAL PRIZES.—Six prizes are awarded as follows :

Two Prizes, of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two Prizes, of *twenty* and *ten dollars* respectively, to members of the Junior Class, for the best exhibition of improvement and skill in Elocution.

Two Prizes, of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for Reading and Declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

ENTRANCE EXAMINATION PRIZES.—Two Prizes, of *thirty* and *twenty dollars* respectively, are awarded for the best entrance Examinations. To receive either, the candidate must pass in all the subjects required for admission to college, and must be admitted without conditions. These prizes are payable at the end of the first half year in college.

PACKARD PRIZES.—In accordance with a provision of the will of the late Silvanus Packard, ten prizes, of *twenty dollars* each, are annually awarded to as many students who rank highest in scholarship and good behaviour:

The foregoing prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any member of the Senior Class who shall have complied with the following conditions: 1. He must have excelled in the required work of the study in which he desires honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examinations on them with distinction. 3. He must pass an examination before a committee of the Faculty on as much extra work in the study in which he desires honors as would be equal to two hours a week for a year. This examination may be oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows: I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. Philosophy, VI. Modern Languages, VII. Classics.

A student is expected to apply for honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of honors, as well as the department, will be mentioned in the diploma and printed in the catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such Bachelors of Arts, and Bachelors of Philosophy as shall pursue during a residence of not less than one year and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A. B. and Ph. B. are given by Tufts College. THE DEGREE OF MASTER OF MECHANIC ARTS will be conferred, upon the same conditions, on graduates in the Department of Engineering.

AWARDS FOR 1884.

For Examination in Mathematics.

To LEO RICH LEWIS, of the Freshman Class.

For Latin Prose.

To DANIEL GUSTAVUS ABBOTT, of the Sophomore Class.

Honors in Latin.

To CHARLES PLYMPTON STEVENS, of the Senior Class.

Natural History Prize Scholarships.

To ALBERT ASAHIEL BEAL and CHARLES PLYMPTON STEVENS, of the Senior Class, in Mineralogy and Biology respectively; and CLARENCE VICTOR NYE SMITH, of the Junior Class, in Biology.

Greenwood Prize Scholarship.

To HERBERT EDGAR TAYLOR, of the Junior Class.

For Reading.

To ELIAS ELWELL DAY and EDWIN AUGUSTUS START, of the Senior Class.

For Declamation.

To JAMES HARRY HOLDEN and SAMUEL WARREN MENDUM, of the Junior Class; and HERMAN HORACE DUNHAM and ARCHIBALD CONE WELLINGTON, of the Sophomore Class.

Packard Prizes.

To CHARLES HIAL DARLING and CHARLES SEWELL PAIGE, of the Senior Class; JAMES WELLINGTON CROSBY and WILLIAM RICHARDSON WOODBURY, of the Junior Class; HARRY WESTON WHITTEMORE and ARCHIBALD CONE WELLINGTON, of the Sophomore Class; ROGER SHERMAN WHITE, of the Second Engineering Class; and WILSON LINCOLN FAIRBANKS, WILLIS JAMES PROUTY, and JOHN GARIBALDI SARGENT, of the Freshman Class.

FACULTY OF THE DIVINITY SCHOOL.

ELMER H. CAPEN, D.D., *President.*

THOMAS J. SAWYER, D.D., *Dean.*

CHARLES H. LEONARD, D.D.

WILLIAM G. TOUSEY, A.M., B.D.

GEORGE T. KNIGHT, A.M., B.D., *Secretary.*

GEORGE M. HARMON, A.M., B.D.

MOSES T. BROWN, A.M.

EDWIN C. BOLLES, Ph.D., D.D.

ALONZO A. MINER, D.D., LL.D.

HENRY I. CUSHMAN, A.M.

ADONIRAM J. PATTERSON, D.D.

STUDENTS.

FIRST YEAR.

Dunham, Hallie Gardner,	<i>Attleboro,</i>	West Hall, 27.
Libby, Wentworth Roscoe,	<i>Chelsea,</i>	West Hall, 27.
Lynn, Cephas Brackett,	<i>New London, Conn.,</i>	Prof. Tousey's.
Marggraf, Edward Everett,	<i>Caledonia, Ohio,</i>	West Hall, 28.
Marvin. Judson Patterson,	<i>Portsmouth, N. H.,</i>	West Hall, 32.
Marvin, Thomas Oliver,	<i>Portsmouth, N. H.,</i>	West Hall, 32.
Payson, Fred Le Roy,	<i>Camden, Me.,</i>	West Hall, 27.
Powers, Levi Moore,	<i>Norway, Me.,</i>	West Hall, 32.
Walch, Rodney Winslow,	<i>East Boston,</i>	West Hall, 22.
White, Henry Scott,	<i>Boston,</i>	West Hall, 22.

SECOND YEAR.

Cobb, Albert Winslow,	<i>East Boston,</i>	West Hall, 29.
Cutler, Myson Lewis,	<i>Worcester,</i>	West Hall, 31.
Priest, Ira Allen, Ph. B.,	<i>Mechanicsville, Vt.,</i>	East Hall, 16.
Reardon, John Benjamin,	<i>Bristol, N. Y.,</i>	West Hall, 24.
Tuttle, Walter Augustus,	<i>Taunton,</i>	West Hall, 29.

THIRD YEAR.

Barber, Eliot Bates,	<i>Norwich, Conn.,</i>	West Hall, 21.
Canfield, Harry Lee,	<i>Belleville, Ohio,</i>	West Hall, 28.
Carney, James Weston, B. S., (<i>Lom. Univ.</i>)	<i>Galesburg, Ill.,</i>	West Hall, 26.
Fisher, Lee Howard,	<i>Charlotte, Me.,</i>	West Hall, 24.
Nickerson, Charles Sumner,	<i>Chatham,</i>	West Hall, 21.
Walch, Alexander Frank,	<i>East Boston,</i>	West Hall, 22.

FOURTH YEAR.

Cutler, Julius Stearns,	<i>Deering, Me.,</i>	West Hall, 25.
Kimball, Arthur Dorman,	<i>Rochester, N. H.</i>	West Hall, 25.

POST GRADUATE STUDIES.

Hall, Frank Oliver, B. D.,	<i>Fitchburg.</i>
Tomlinson, Vincent Eaton, B. S., B. D.,	<i>Valley Falls, R. I.</i>

A D M I S S I O N
TO THE
THEOLOGICAL COURSE.

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the day preceding the first day of the academic year.

Bachelors of Arts are admitted without examination. Other candidates must have received a good English education, and it is desirable that they should have some knowledge of the Latin and Greek languages.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology, should take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid such extensive preparation. To meet the wants of such, and yet provide for thorough training and comprehensive development, a four years course has been instituted.

COURSE OF STUDY.

FIRST YEAR.

Languages.—Hebrew, Greek, and German.

Rhetoric.—Principles of Effective Speech ; Rhetorical Analysis ; Themes.

Psychology.—The Intellect ; Leading Questions of Mental Philosophy.

History.—History of the Jews from Abraham to Christ ; The Life of Christ ; History of the Apostolic Age.

Biblical Theology.—General Introduction to the Old Testament.

SECOND YEAR.

German Language.

Logic.—Induction ; Deduction ; Fallacies.

History.—History of the Church and of Doctrines from the Apostles to the Reformation.

Biblical Theology.—Hermeneutics ; Introduction to the New Testament ; Archæology ; Exegetical Study of the Parables.

Systematic Theology.

Christian Evidences.—History of Doubt ; Historical Evidences ; Evidences in view of Modern Thought.

Homiletics.—History of Preaching ; The Conception and Structure of the Sermon ; Homiletical Analysis of Portions of the New Testament.

THIRD YEAR.

Psychology.—The Will ; The Moral Nature ; Ethical Theories ; Christian Ethics.

History.—History of the Church, of Sects, and of Doctrines from the Reformation to Modern times.

Biblical Theology.—Exegetical Study of Discourses from the Fourth Gospel ; Theology of the New Testament.

Systematic Theology.

Homiletics.—Study of the Sermons of Eminent Preachers ; Lectures ; The Composition and Delivery of Sermons.

FOURTH YEAR.

Comparative Theology.

Natural Theology.—Theistic Arguments ; Special Studies with reference to the Evidences of Order and Design ; Relations of Science and Christianity.

Homiletics.—Lectures on Sermon-style and on Preaching ; The Composition and Delivery of Sermons.

Church Government.—The Ecclesiastical Polity of the New Testament ; The Polity of Special Churches Compared ; The Government and Discipline of the Universalist Church.

Pastoral Theology.—Pastoral Qualifications and Duties ; The Administration of Religion in general ; Organized work in the Parish.

GENERAL INFORMATION.

ESSAYS, SERMONS, AND EXAMINATIONS.

In each department of study students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class.

Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

RELIGIOUS AND LITERARY EXERCISES.

Devotional services are held daily in the chapel ; also, weekly evening Prayer Meetings.

The Zetagathean Society holds weekly meetings for literary criticisms, debates, orations, etc.

LIBRARIES AND LECTURES.

Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

Supplementary lectures, which bear upon the general work of the Christian Ministry, and upon special subjects of study are

given at intervals throughout the year by well-known Clergymen of the vicinity.

Students are also permitted to attend lectures in the Academical department, subject, however, to the discretion of the Faculty.

GENERAL FACILITIES.

Important facilities for general improvement are offered to students by the proximity of the school to such intellectual centres as Boston and Cambridge. Valuable libraries and cabinets are made accessible. Elaborate courses of lectures on scientific, social, and literary subjects are presented to the public from time to time. The most noted divines of New England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES OF STUDY, DEGREES, ETC.

The Full Course occupies three years for Bachelors of Arts ; for all others, four years. The Special Courses occupy respectively, one, two, and three years. Diplomas certifying to attainments are conferred upon those who have taken one of the Special Courses. The Degree of BACHELOR OF DIVINITY is conferred upon those who sustain satisfactorily an examination upon the studies of the Full Course.

Graduates, undergraduates sufficiently advanced, and other persons desirous of pursuing special studies, may receive instruction in Theology, Philosophy, Homiletics, General History and Literature.

[After the year 1884-5 only graduates of some college will be admitted as candidates for the degree of B. D. Others, however, will be recommended for the degree, who, at the end of the prescribed course of study, have made, in the judgment of the Faculty, equivalent attainments.]

ROOMS AND EXPENSES.

The rooms assigned to the Divinity Students, in the West Hall, are large, well-ventilated apartments. Each study is provided with suitable furniture ; and the bed-room adjoining each study is furnished with bed-stead, bureau, etc.

Tuition, room-rent, and use of furniture free. Board about three and a half dollars per week. The necessary school expenses, including board, washing, fuel, light, text-books, etc., will not exceed two hundred dollars per year.

The General Convention of Universalists aids students by a system of loans ; and those in the regular course who have shown sufficient maturity are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

THE GREENWOOD SCHOLARSHIP.

The income of one thousand dollars will be given as a Prize Scholarship to members of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

This Prize-Scholarship for the year 1883-4 was awarded to Lee Sullivan McCollister, first prize ; Julius Stearns Cutler, second prize ; Harry Lee Canfield, third prize.

CALENDAR.

1884.

- Sept. 18. College Year begins, Thursday morning.
Sept. 21. Russell Lecture, Sunday, 4 P.M.
Dec. 23. Recess begins, Tuesday evening.

1885.

- Jan. 6. Recess ends, Tuesday evening.
Feb. 7. End of first half year, Saturday.
June 9. Prize Speaking and Reading, Tuesday, 3 P.M.
June 14. Baccalaureate Sermon, Sunday, 4 P.M.
June 17. Commencement, third Wednesday in June.
June 18. Examination for admission begins, Thursday, 9 A.M.

SUMMER VACATION, THIRTEEN WEEKS.

- Sept. 8. Annual meeting of the Board of Trustees, Tuesday.
Sept. 15. Second Examination for Admission, Tuesday, 9 A.M.
Sept. 16. Examination for Admission to the Divinity School.
Sept. 17. College Year begins, Thursday morning.
Sept. 20. Russell Lecture, Sunday, 4 P.M.

NOTE.—Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6.45, 7.35, 9.05, 9.45, 10, 11.30, A.M., 12.10, 3.15, 4.30, 5.10, 6, 6.30, 7.30, 9.30, and 11.20, P.M. Return at 6.14, 6.49, 7.22, 8.09, 9.23, 10.35, A.M., 1.30, 3.05, 3.35, 4.21, 5.07, 5.43, 6.39, 8.51, and 10.35, P.M. The College is four miles from Boston. Post-Office address, College Hill, Mass.

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
TUFTS COLLEGE.
1885-86.

CAMBRIDGE:
JOHN WILSON AND SON.
University Press.
1885.

TRUSTEES.

HON. CHARLES ROBINSON, JR., LL.D., PRESIDENT.

REV. ALONZO A. MINER, D.D., LL.D.

JAMES O. CURTIS.

REV. LUCIUS R. PAIGE, D.D.

HON. TIMOTHY T. SAWYER.

HON. NEWTON TALBOT.

REV. ELMER H. CAPEN, D.D.

CHARLES G. POPE, A.M.

ZEBULON L. WHITE.

WILLIAM H. FINNEY, A.M.

CHARLES S. FOBES, A.M.

HON. HOSEA M. KNOWLTON.

THOMAS H. ARMSTRONG, A.M.

REV. HENRY W. RUGG.

JOHN D. W. JOY.

REV. J. COLEMAN ADAMS, A.M.

HON. CHARLES WHITTIER.

REV. EDWIN C. BOLLES, D.D.

WILMOT L. WARREN.

BYRON GROCE, A.M.

ARTHUR E. DENISON.

HENRY D. WILLIAMS, A.M.

HON. JOSEPH DAVIS.

THOMAS G. FROTHINGHAM.

WILLIAM OSCAR CORNELL.

WILLIAM B. BEMENT.

HON. HOSEA W. PARKER.

HON. WILLIAM D. WASHBURN.

JOHN B. WINSLOW.

ORGANIZATION OF THE TRUSTEES.

President.

CHARLES ROBINSON, JR.

Vice-President.

JOHN D. W. JOY.

Secretary.

THOMAS H. ARMSTRONG.

Treasurer.

WILLIAM H. FINNEY.

Executive Committee.

ALONZO A. MINER.

JOHN D. W. JOY.

NEWTON TALBOT.

TIMOTHY T. SAWYER.

CHARLES WHITTIER.

ELMER H. CAPEN.

HENRY D. WILLIAMS.

AND THE SECRETARY AND TREASURER, *ex officio*.

BOARDS OF VISITORS.

For the College of Letters.

BYRON GROCE, CHAIRMAN.

CHARLES J. WHITE.

HENRY I. CUSHMAN.

LORIN L. DAME.

ZEBULON L. WHITE.

HENRY BLANCHARD.

EDWIN C. BOLLES.

CHARLES H. EATON.

THOMAS H. ARMSTRONG.

For the Divinity School.

EDWARD L. HOUGHTON, CHAIRMAN.

HENRY W. RUGG.

J. COLEMAN ADAMS.

CHARLES W. BIDDLE.

JOSEPH K. MASON.

MOSES H. HARRIS.

WARREN S. WOODBRIDGE.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

ELMER H. CAPEN, D.D., PRESIDENT,
And Professor of Moral Philosophy and Political Economy.

THOMAS J. SAWYER, D.D.,
Packard Professor of Christian Theology.

JOHN P. MARSHALL, A.M.,
Professor of Geology and Mineralogy.

JEROME SCHNEIDER, PH.D.,
Professor of the Greek Language and Literature.

HEMAN A. DEARBORN, A.M.,
Professor of the Latin Language and Literature.

BENJAMIN G. BROWN, A.M.,
Walker Professor of Mathematics.

WILLIAM R. SHIPMAN, D.D.,
Professor of Rhetoric, Logic, and English Literature.

AMOS E. DOLBEAR, M.E., PH.D.,
Professor of Physics and Astronomy.

GEORGE M. HARMON, A.M., B.D.,
Assistant Professor of Theology.

MOSES T. BROWN, A.M.,

Professor of Oratory.

CHARLES E. FAY, A.M.,

Wade Professor of Modern Languages.

CHARLES D. BRAY, C.E., A.M.,

Professor of Civil and Mechanical Engineering.

CHARLES H. LEONARD, D.D.,

Goddard Professor of Homiletics and Pastoral Theology.

WILLIAM G. TOUSEY, A.M., B.D.,

Professor of Psychology and Natural Theology.

GEORGE T. KNIGHT, A.M., B.D.,

Professor of Church History.

WILLIAM L. HOOPER, A.M.,

Assistant Professor of Physics.

ARTHUR MICHAEL, A.M.,

Professor of Chemistry.

FRED S. PEARSON, A.M.B.,

Walker Special Instructor in Mathematics.

JOSIAH P. RYDER, S.B.,

Assistant in Inorganic Chemistry.

FRED OLIVER KENDALL, A.M.,

Assistant in Organic Chemistry.

GEORGE M. PALMER,

Assistant in Organic Chemistry.

FREMONT SWAIM, M.D.,

Instructor in Gymnastics.

EDWIN C. BOLLES, PH.D., D.D.,

Lecturer on Science and the Ministry.

ALONZO A. MINER, D.D., LL.D.,

Lecturer on Social Ethics.

HENRY I. CUSHMAN, A.M.,

Lecturer on the Historic Method of Bible Study.

GEORGE T. FLANDERS, D.D.,

Lecturer on Oriental Religions.

EDWARD L. HOUGHTON, A.M.,

Lecturer on New Testament Subjects.

HELEN L. MELLEN,

Librarian.

FACULTY OF THE COLLEGE OF LETTERS.

ELMER H. CAPEN, D.D., *President.*

JOHN P. MARSHALL, A.M., *Dean.*

JEROME SCHNEIDER, PH.D.

HEMAN A. DEARBORN, A.M.

BENJAMIN G. BROWN, A.M.

WILLIAM R. SHIPMAN, D.D.

AMOS E. DOLBEAR, M.E., PH.D.

MOSES T. BROWN, A.M.

CHARLES E. FAY, A.M., *Secretary.*

CHARLES D. BRAY, C.E., A.M.

ARTHUR MICHAEL, A.M.

WILLIAM L. HOOPER, A.M.

FRED S. PEARSON, A.M.B.

CANDIDATES

FOR THE

DEGREE OF MASTER OF ARTS.

EDWARDS, HUBERT FOOTE, '83 *College Hill.*
(*Mineralogy and Physics.*)

HAMILTON, FREDERICK WILLIAM, '80 *Portland, Me.*
(*Philosophy and English Literature.*)

PARMENTER, CHARLES WINFIELD, '77 *Waltham.*
(*Philosophy and Natural History.*)

PERRY, OSCAR HOYT, '83 *Franklin.*
(*Greek and Latin.*)

PIERCE, ARTHUR WINSLOW *Barre, Vt.*
(*History and English Literature.*)

STEARNS, HARRY, '84 *Glastonbury, Ct.*
(*Philosophy and English Literature.*)

UNDERGRADUATES.

SENIOR CLASS.

Abbott, Daniel Gustavus,	<i>North Reading,</i>	West Hall, 12.
Braley, George Herbert,	<i>Barre, Vt.,</i>	West Hall, 4.
Dunham, Herman Horace,	<i>Woodstock, Vt.,</i>	West Hall, 6.
Hersey, Ralph Waldo,	<i>Belfast, Me.,</i>	West Hall, 8.
Joslin, Ralph Edgar,	<i>Hudson,</i>	West Hall, 4.
Ludden, Charles Mandeville,	<i>Canton Point, Me.,</i>	West Hall, 11.
Mackin, John Clarence,	<i>Rockland,</i>	West Hall, 1.
Spaulding, Fred Clifford,	<i>Eddington, Me.,</i>	West Hall, 10.
Stone, Henry Beecher,	<i>Rochester, Vt.,</i>	West Hall, 12.
Sweetser, Frank Kittridge,	<i>Stoneham,</i>	West Hall, 1.
Taylor, Fred Allan,	<i>College Hill,</i>	West Hall, 9.
Wellington, Archibald Cone,	<i>Adams,</i>	West Hall, 8.
White, Neale Alton,	<i>East Calais, Vt.,</i>	West Hall, 6.
Whittemore, Harry Weston,	<i>Lyndeboro, N.H.,</i>	Mid. Hall, 9.
Wilder, Frederick Henry,	<i>Sterling,</i>	West Hall, 9.

JUNIOR CLASS.

Bailey, George Austin,	<i>Belfast, Me.,</i>	West Hall, 8.
Bateman, Frank Elliott,	<i>Charlestown,</i>	West Hall, 7.
Chapin, George Albert,	<i>Antrim, N.H.,</i>	East Hall, 6.
Cook, Daniel Addison,	<i>Wrentham,</i>	East Hall, 10.
Cook, Nelson Pingry,	<i>Mount Holly, Vt.,</i>	East Hall, 1.
Cook, Waldo Lincoln,	<i>Woonsocket, R.I.,</i>	East Hall, 30.
Fairbanks, Wilson Lincoln,	<i>Natick,</i>	East Hall, 13.
Foster, Stephen Austin,	<i>Derby Line, Vt.,</i>	West Hall, 5.
Lewis, Leo Rich,	<i>South Boston,</i>	West Hall, 5.
Maulsby, David Lee,	<i>Baltimore, Md.,</i>	East Hall, 23.
Patterson, Charles Henry,	<i>Smithville, Ont.,</i>	West Hall, 10.

Prouty, Willis James,	<i>Spencer,</i>	East Hall, 23.
Sargent, John Garibaldi,	<i>Plymouth, Vt.,</i>	East Hall, 1.
Snow, Alva Edson,	<i>Mattapoisett,</i>	East Hall, 22.
Woodward, William Andrew,	<i>Woburn,</i>	East Hall, 22.
White, True Worthly,	<i>Methuen,</i>	West Hall, 11.

SOPHOMORE CLASS.

Brown, Robert Calthrop,	<i>College Hill,</i>	Prof. Brown's.
Cambridge, Charles Henry,	<i>Grafton, Vt.,</i>	East Hall, 25.
Coburn, Lewis Dwight,	<i>N. Montpelier, Vt.,</i>	West Hall, 3.
Crooks, Clarence Augustus,	<i>So. Franklin,</i>	Mid. Hall, 18.
Durkee, Frank Williams,	<i>N. Tunbridge, Vt.,</i>	West Hall, 15.
Edgerly, Julien Campbell,	<i>College Hill,</i>	Mr. Edgerly's.
French, Clarence Freeman,	<i>Waltham,</i>	East Hall, 25.
Gardner, Fred Eugene,	<i>Chatham, N. Y.,</i>	West Hall, 14.
Hollister, Orlando Knapp,	<i>N. Montpelier, Vt.,</i>	West Hall, 16.
Huntress, Frank Elias,	<i>W. Somerville,</i>	Mid. Hall, 10.
Linscott, Percy William,	<i>Woburn,</i>	East Hall, 26.
Murdock, Charles Henry,	<i>Stow,</i>	Mid. Hall, 15.
Murdock, George Frederick,	<i>Stow,</i>	West Hall, 3.
Nelson, Charles Chresten,	<i>Gloucester,</i>	East Hall, 27.
Poole, Eugene Warren,	<i>Woburn,</i>	East Hall, 26.
Raymond, George Walker,	<i>Ludlow, Vt.,</i>	East Hall, 31.
Rice, Hamilton,	<i>Palatine Bridge, N. Y.,</i>	West Hall, 14.
Robinson, Sumner,	<i>W. Newton,</i>	East Hall, 8.
Swift, Frederick Howard,	<i>Gloucester,</i>	East Hall, 27.
Young, Charles Lowell,	<i>Somerville,</i>	Mid. Hall, 10.

FRESHMAN CLASS.

Bascom, Harry Chester,	<i>Holden,</i>	East Hall, 5.
Burnham, Elmond Arthur,	<i>Putney, Vt.,</i>	West Hall, 16.
Burrell, Joseph Thomas French,	<i>Quincy,</i>	East Hall, 9.
Cate, Isaac Wallace,	<i>N. Montpelier, Vt.,</i>	West Hall, 13.
Coolidge, Omeron Hardy,	<i>Plymouth Union, Vt.,</i>	West Hall, 2.
Crandall, Edwin Joll,	<i>Reading, Vt.,</i>	East Hall, 14.
Davis, Brackett Wright,	<i>Haverhill,</i>	West Hall, 13.
French, Herbert Allen,	<i>Waltham,</i>	Mid. Hall, 17.
Keyes, Wade,	<i>Reading, Vt.,</i>	East Hall, 14.
Lawrence, Eugene Burt,	<i>Stow,</i>	Mid. Hall, 12.
Loomis, Burdett Henry,	<i>Oxford, N. Y.,</i>	East Hall, 9.

Maxham, Herbert Olin,	<i>S. Pomfret, Vt.,</i>	West Hall, 2.
Montague, David Thompson,	<i>Woodstock, Vt.,</i>	East Hall, 28.
Reed, Charles Lincoln,	<i>Hudson,</i>	Mid. Hall, 12.
Smith, Burton,	<i>Portland, Me.,</i>	East Hall, 2.
Wheelock, Charles Sumner,	<i>Barre, Vt.,</i>	East Hall, 28.
White, Charles Obed,	<i>Woonsocket, R.I.,</i>	East Hall, 16.

SPECIAL STUDENTS.

Albion, James Francis,	<i>Medford,</i>	East Hall, 30.
Burns, Edward Louis,	<i>E. Somerville,</i>	Mr. Burns's.
Denison, Ansel True,	<i>Mechanics Falls, Me.,</i>	Mrs. Muchmore's.
Eddy, William Best,	<i>Troy, N. Y.,</i>	East Hall, 2.
Hero, George Hoyt,	<i>Westboro,</i>	Mid. Hall, 19.
Page, Clarence Victor,	<i>Lowell,</i>	Mid. Hall, 16.
Ribeiro, Amaro Arango,	<i>São Paulo, Brazil,</i>	Boston.
Rice, Clarence E.,	<i>E. Cambridge,</i>	E. Cambridge.
Tibbetts, Frank Leslie,	<i>W. Somerville,</i>	Mr. Tibbetts's.
Welch, Ernest Morton,	<i>Woburn,</i>	East Hall, 15.

DEPARTMENT OF ENGINEERING.

THIRD CLASS.

Chapman, Fred Palmer,	<i>Franklin,</i>	East Hall, 10.
Gannett, William Phelps, Jr.,	<i>Roxbury,</i>	East Hall, 10.
Perry, Frank Elliot,	<i>Natick,</i>	East Hall, 13.
Starrett, Milton Gerry,	<i>Francestown, N.H.,</i>	Mid. Hall, 9.

SECOND CLASS.

Dow, Charles Fenno,	<i>Lawrence,</i>	Mid. Hall, 8.
Hayes, Harry Wilde,	<i>Medford,</i>	Prof. Harmon's.
Marks, Burton Mansfield,	<i>Philadelphia, Pa.,</i>	Mr. Edgerly's.
Melcher, Frank Otis,	<i>Franklin,</i>	Prof. Harmon's.
Metcalf, Edward Roulstone,	<i>W. Newton,</i>	East Hall, 18.
Moore, John Winfield,	<i>Chelsea, Vt.,</i>	West Hall, 15.
Smith, Lawrence Thayer,	<i>Providence, R.I.,</i>	East Hall, 19.
Smith, William John,	<i>Boston Highlands,</i>	East Hall, 19.
Spinney, Carleton Ferguson,	<i>W. Medford,</i>	Mid. Hall, 11.
Stone, Frank Skinner,	<i>Somerville,</i>	Mid. Hall, 8.
Valdes, Clemente,	<i>Patos, Mexico,</i>	Mrs. Perkins's.

FIRST CLASS.

Adams, Charles Ellsworth,	<i>Medford,</i>	Mid. Hall, 11.
Ames, Bradford Lawton,	<i>Osterville,</i>	East Hall, 11.
Bateman, Charles Ernest,	<i>Charlestown,</i>	West Hall, 7.
Durkee, Henry Smith,	<i>No. Tunbridge, Vt.,</i>	West Hall, 15.
Galletly, James Frederick,	<i>Somerville,</i>	East Hall, 11.
Haskell, Alfred Everett,	<i>Medford,</i>	Mid. Hall, 1.
Robertson, Henry Frazer,	<i>Medford,</i>	Mid. Hall, 16.
Shipman, Henry Eaton,	<i>Bethel, Vt.,</i>	Prof. Shipman's.
Simons, Frank Norman,	<i>Weare, N.H.,</i>	East Hall, 16.

REQUISITIONS FOR ADMISSION.

For admission to the Freshman Class, an examination must be well sustained in the following studies:—

LATIN. — Cæsar's Gallic War, Books I. — IV.; Cicero's Orations, those against Catiline, for Archias, Marcellus, and the Manilian Law; Virgil's *Æneid*, Books I. — VI.; Ovid's *Metamorphoses*, 2,500 lines; Allen and Greenough's or Harkness's Grammar, including Prosody; Allen's Latin Composition, and translation into Latin of a connected passage of English Prose, not taken from the text-book, but involving only familiar words and idioms.

While the foregoing requirements are preferred, equivalents will be accepted; also, in place of the last two orations of Cicero and the specified amount of Ovid, an examination may be taken, if desired, on average passages from each of the above-named works, not included in the portions prescribed.

GREEK. — I. Three Books of Homer's *Iliad*; four Books of Xenophon's *Anabasis*; Hadley's, Crosby's, Curtius's, or Goodwin's Greek Grammar, including Prosody; writing Greek with the Accents; or, as an alternative,

II. Translation at sight of easy passages of the *Anabasis* and of average passages from the *Iliad* (with a vocabulary of the less-used words), in place of the quantity requisition in Xenophon and Homer; Prose Composition as in I.

It is recommended that special attention be given to translating English into Greek and Latin, and that pupils be accustomed to this exercise from the beginning of the preparatory course.

GERMAN OR FRENCH. — For admission to the Philosophical Course, German or French may be substituted for Greek. The can-

didate must give evidence of a thorough knowledge of the accidents and more important principles of syntax of the language presented, and be able to render simple English sentences into the same, and must have translated the equivalent of two hundred duodecimo pages, including one classic drama. Macmillan's Progressive German (or French) Course may represent the amount of text-book work in grammar and composition requisite in preparation for this course.

MATHEMATICS. — Arithmetic, with the Metric System; Algebra, through Quadratic Equations, including Radical Quantities, together with Proportion, Arithmetical and Geometrical Progressions, and the Binomial Theorem for positive integral exponents; Plane Geometry.

GEOGRAPHY AND HISTORY. — Outlines of Ancient Geography; Smith's Smaller History of Greece, to the death of Alexander; Leighton's or Smith's History of Rome.

ENGLISH GRAMMAR AND COMPOSITION. — Spelling; Punctuation; Structure of Sentences; Correct Use of Words; Clearness of Expression. The examination will consist, — 1, in writing a short composition on a subject assigned; 2, in criticising specimens of incorrect English. Subjects for compositions will be drawn from standard works in English Literature. All the books named for a given year are to be read, and from one or more of them subjects will be assigned at the time of examination.

For 1886 — Shakespeare's *Macbeth*; First two books of Milton's *Paradise Lost*; Dickens's *Tale of Two Cities*; Goldsmith's *She Stoops to Conquer*.

For 1887 — Shakespeare's *Julius Cæsar* and *The Merchant of Venice*; Johnson's *Lives of Milton and Dryden*; Macaulay's *Essays on Milton and Dryden*; Scott's *The Abbot*.

For 1888 — Shakespeare's *Julius Cæsar* and *Twelfth Night*; Johnson's *Lives of Addison and Pope*; Thackeray's *English Humorists*; Irving's *Bracebridge Hall*; Macaulay's *Lays of Ancient Rome*.

The regular examination for admission will begin on the day after Commencement, and continue through the following day. A second examination will also be held on the Tuesday and Wednesday preceding the beginning of the college year. The examination will begin at 9 o'clock A.M., on each of these days.

For admission to an advanced class, an examination must be well sustained both in the preparatory studies and in the studies through

which such class has passed. To be admitted to advanced standing, one must also pay half the tuition of the previous portion of the course, unless he comes from another college; provided that if he be admitted at the beginning of the Senior year, the tuition of the Junior year shall be the only arrears required of him.

At the regular examination in June, those who will be candidates for admission to the Freshman class one year later may present themselves for a preliminary examination, if prepared on not less than nine of the sixteen subjects enumerated on the preceding pages, and may receive certificates if they pass on not less than seven. In making up the sixteen, Latin represents six subjects, Greek, German, or French four, Mathematics three, History two, and English one.

COURSE OF STUDY.

FRESHMAN CLASS.

LATIN. — Livy (Chase & Stuart's); Cicero de Senectute (Reid's); Horace, Odes and Epodes (Chase & Stuart's); Bennett's First Latin Exercises, with Extempore Exercises.

Four hours a week for the year.

ROMAN HISTORY. — Liddell; Rawlinson's Manual; Ramsay's Elementary Manual of Roman Antiquities, with Illustrated Lectures; Lectures on the History of the Latin Language and Literature.

Two hours a week for the year.

GREEK. — Xenophon; Herodotus; Thucydides; Homer's Odyssey; Dialects; Prose Composition; Goodwin's Greek Moods and Tenses.

Six hours a week for first, five for second half year.

MATHEMATICS. — Wells's University Algebra; Welsh's Solid and Spherical Geometry; Wells's Trigonometry.

Four hours a week for the year.

ORATORY. — Declamations; Lectures.

Two hours a week for second half year.

SOPHOMORE CLASS.

LATIN. — Horace, Satires and Epistles; Cicero de Amicitia (Reid's); Annals of Tacitus (Allen's); Translation into Latin, Bennett's Second Latin Writer, with Extempore Exercises.

Four hours a week for first, three for second half year.

FRENCH. — Macmillan's Fasnacht's Progressive French Course, Parts I. and II. ; Lacombe, Histoire du Peuple Français.

Six hours a week for second half year.

GREEK I. — The Orators ; Prose Composition.

Four hours a week for first half year.

GREEK II. — The Dramatists ; Study of Metres.

Optional, three hours a week for second half year.

NATURAL HISTORY. — Walker's Physiology.

Optional, as an alternate with Greek II.

PHYSICS. — Daniell's Principles.

Three hours a week for second half year.

MATHEMATICS. — Briggs's and Smith's Analytic Geometry ; Applications of Trigonometry ; Special Trigonometry.

Four hours a week for first half year.

ORATORY. — Lectures ; Declamation.

Two hours a week for second half year.

RHETORIC. — Welsh's ; Six Themes.

Four hours a week for first half year.

JUNIOR CLASS.

GERMAN. — Theoretical Grammar in Lectures, with Brandt's for reference ; Lodeman's Manual of Exercises ; Rosenstengel's Reader of German Literature.

Six hours a week for first half year.

PHYSICS. — Daniell's Principles ; Peck's Astronomy.

Four hours a week for first, three for second half year.

CHEMISTRY I. — Inorganic Chemistry, Lectures, with recitations.

Three hours a week for first half year.

CHEMISTRY II. — Organic and Physiological Chemistry, Lectures, with recitations.

Optional, four hours a week for second half year.

ENGLISH LITERATURE.

Optional, as an alternate with Chemistry II.

PSYCHOLOGY. — Sully's.

Three hours a week for second half year.

NATURAL HISTORY. — Botany, Gray's Lessons and Manual; Zoölogy, Packard's.

Four hours a week for second half year.

RHETORIC. — Six Themes.

Also three hours a week for the first half year and two for the second in one of the following

ELECTIVE STUDIES:

GREEK. — Plato.

LATIN. — Juvenal; Cicero.

GERMAN. — Goethe, Hermann und Dorothea; Schiller, Maria Stuart.

FRENCH. — Dramatists of the Classic Period; Modern Novelists; Macmillan's Fasnacht's Progressive French Course, Part III.

RHETORIC. — Analysis of Speeches.

PHYSICS. — Investigations in the Laboratory; Physical Manipulations, Pickering, Kohlrausch; Light, Glazebrook; Electricity, Trowbridge; Projection, Dolbear.

CHEMISTRY. — Inorganic Chemistry, Laboratory Work, for the year; Qualitative Analysis, second half year.

ENGINEERING. — Descriptive Geometry; Draughting.

MATHEMATICS. — Differential and Integral Calculus.

ORATORY. — Special Drill in Reading and Declamation.

SENIOR CLASS.

NATURAL HISTORY. — Geology, Le Conte's, with Lectures; Mineralogy, with Lectures.

Four hours a week for first half year.

MORAL PHILOSOPHY. — Calderwood's Moral Science.

Four hours a week for first half year.

POLITICAL ECONOMY. — Fawcett's, with Lectures.

Four hours a week for second half year.

LOGIC. — Fowler's.

Four hours a week for second half year.

RHETORIC. — Six Themes.

Also six hours a week for the year in two of the following

ELECTIVE STUDIES :

JURISPRUDENCE. — Ancient Law ; Roman Law ; International Law ; Constitutional Law ; Lectures.

ENGLISH LITERATURE ; LOGIC ; METAPHYSICS.

GREEK, LATIN, FRENCH, OR GERMAN LITERATURE.

ITALIAN. — Sauer's Grammar ; Manzoni, *I Promessi Sposi*.

MATHEMATICS. — Geometry of Three Dimensions ; Mechanical and Architectural Drawing ; Salmon's Conic Sections ; Advanced Mathematics.

CHEMISTRY. — Assaying, Laboratory Work ; Quantitative Analysis ; Organic Chemistry, Laboratory Work.

PHYSICS. — Natural Philosophy, Thomson and Tait ; Heat, Maxwell ; Electricity, Thomson, Cummings, Gray, Gordon ; Investigations in the Physical Laboratory, Glazebrook, Pickering, Kohlrausch.

NATURAL HISTORY. — Biology, Huxley and Martin's ; Botany, Bessie's ; Zoölogy, Packard's, with Practical Work in the Laboratory, first half year ; Mineralogy, Dana's Text-Book ; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work, second half year.

ENGINEERING. — Topographical Surveying and Drawing ; Steam-Engine.

ORATORY. — Special Drill in Reading and Declamation.

PHILOSOPHICAL COURSE.

This course, leading to the degree of Bachelor of Philosophy, includes all the studies of the preceding course except Greek, for which the Modern Languages are substituted. It also offers an opportunity for pursuing elective studies to a somewhat greater extent.

The course of study coincides with the foregoing in the Senior year, and varies from it in the first three years, according as German (Course A) or French (Course B) has been presented for admission, as follows : —

FRESHMAN CLASS.

In the place of Greek,

GERMAN (Course A).—Brandt's Grammar; Historical Prose; Dramatists of the Classic Period; Composition.

Three hours a week for first, four for second half year.

FRENCH (Course B).—Macmillan's Fasnacht's Progressive French Course, Part III.; Historical Prose; Dramatists of the Classic Period; Modern Novelists.

Three hours a week for first, four for second half year.

And in both courses,

RHETORIC.—Welsh's; Six Themes.

Four hours a week for first half year.

SOPHOMORE CLASS.

Course A, in the place of Greek, Rhetoric, and Natural History,

GERMAN.—Vilmar, Geschichte der deutschen Literatur; Lyric Poetry; Contemporary Prose.

Three hours a week for first half year.

And five hours a week for the first half year and three for the second in one of the following elective studies :—

PHYSICS. — Work in the Physical Laboratory.

ENGINEERING. — Descriptive Geometry ; Drawing.

RHETORIC. — Analysis of Speeches.

Course B, in the place of Greek, French, and Rhetoric,

GERMAN. — Theoretical Grammar in Lectures, with Brandt's for reference ; Lodeman's Manual of Exercises ; Rosenstengel's Reader of German Literature ; Goethe, Hermann und Dorothea ; Schiller, Maria Stuart.

Six hours a week for first, three for second half year.

NATURAL HISTORY. — Walker's Physiology.

Three hours a week for second half year.

And two hours a week for the first half year and three for the second in one of the above-mentioned elective studies.

JUNIOR CLASS.

In the place of elementary German and the optional study,

FRENCH (Course A). — Macmillan's Fasnacht's Progressive French Course, Part III. ; Historical Prose ; Dramatists of the Classic Period ; Modern Novelists.

Three hours a week for first, four for second half year.

GERMAN (Course B). — Brandt's Grammar ; Historical Prose ; Dramatists of the Classic Period ; Composition.

Three hours a week for first, four for second half year.

And in both courses, three additional hours of elective work for the first half year in one of the studies open to Juniors.

DEPARTMENT OF ENGINEERING.

The degree of Bachelor of Mechanic Arts is conferred on those students who complete the prescribed studies of three years in the department of Engineering. These studies are arranged in two courses, for Civil and Electrical Engineers, and the course for which the degree is conferred is stated in the diploma.

The requisitions for admission are Mathematics, English Grammar, and Composition, as stated on page 15.

Students of the Classical and Philosophical courses may so arrange their elective work as to make it possible to obtain the degree in engineering after a post-graduate course of one year in this department.

COURSE IN CIVIL ENGINEERING.

FIRST YEAR.

MATHEMATICS. — Wells's University Algebra; Welsh's Solid and Spherical Geometry; Wells's Trigonometry.

Four hours a week for the year.

DESCRIPTIVE GEOMETRY; SHADES AND SHADOWS; PERSPECTIVE.

Three hours a week for the year.

SURVEYING. — Theory, with Elementary Practice; Compass Surveys.

Three hours a week for first half year.

RHETORIC. — Welsh's; Six Themes.

Four hours a week for first half year.

FRENCH. — Macmillan's Fasnacht's Progressive French Course,
Parts I. and II.; Lacombe's Histoire du Peuple Français.
Six hours a week for second half year.

DRAWING. — Plotting; Orthographic Projection.
Six hours a week for the year.

SECOND YEAR.

MATHEMATICS I. — Smith's Analytic Geometry; Applications of
Trigonometry.
Four hours a week for first half year.

MATHEMATICS II. — Differential and Integral Calculus.
Three hours a week for the year.

MECHANICS. — Magnus's.
Three hours a week for second half year.

STEAM-ENGINE. — Theory and Construction.
Four hours a week for second half year.

TOPOGRAPHY. — Field Work and Drawing.
Four hours a week for first, six for second half year.

PHYSICS. — Daniell's Principles; Peck's Astronomy.
Four hours a week for first, three for second half year.

CHEMISTRY. — Inorganic Chemistry, Lectures, with recitations.
Three hours a week for first half year.

THIRD YEAR.

MATHEMATICS. — Differential and Integral Calculus.
Three hours a week for the year.

MECHANICS. — Applied Mechanics.
Four hours a week for the year.

CIVIL ENGINEERING. — Strength of Materials; Stability of Structures of Stone, Wood, and Iron; Drainage and Sewerage; Hydraulics.

Four hours a week for the year.

ROAD ENGINEERING. — Surveys and Estimates.

Three hours a week for first half year.

DRAWING. — Structures and Machines.

Four hours a week for the year.

NATURAL HISTORY. — Mineralogy, Dana's Text-Book; Plattner's Manual of Qualitative and Quantitative Blowpipe Analysis, with Laboratory Work.

Six hours a week for second half year.

PREPARATION OF THESIS.

COURSE IN ELECTRICAL ENGINEERING.

This course varies from the foregoing as follows: —

FIRST YEAR.

In the place of Descriptive Geometry,

PRACTICAL WORK. — Woodwork; Carpentering; Pattern Making; Turning.

Three hours a week for first half year.

MECHANICS. — Magnus's.

Three hours a week for second half year.

SECOND YEAR.

In the place of Topography,

PHYSICS. — Investigations in the Laboratory.

Three hours a week for the year.

MACHINE DRAWING.

PRACTICAL WORK. — Filing ; Turning ; Screw-cutting.

Three hours a week for second half year.

THIRD YEAR.

In the place of Mechanics, Civil Engineering, Road Engineering, and Drawing,

ELECTRICITY. — Mathematical Electricity.

Three hours a week for the year.

PHYSICS. — Laboratory Work, including Electrical Measurements and Applications of Electricity to Telegraph, Telephone, Lighting, Plating, and Transmission of Power.

Six hours a week for the year.

NATURAL HISTORY. — Physiology, Zoölogy, Geology, as on pages 18, 19, 20.

ADMINISTRATION OF THE COLLEGE.

ELECTIVE STUDIES.

The programme requires sixteen recitations a week or their equivalent, except in the Senior year, when fourteen are required. In addition to the regular electives, requisite to fill this programme, extra electives may be taken, if, in the judgment of the Faculty, they can be profitably pursued. Choice of elective or optional studies for the first half year must be signified in writing to the Faculty on or before the first Saturday of the college year, and for the second half year on or before the last Saturday preceding mid-year. New elections may be made at such other times as are prescribed in the several departments.

RELIGIOUS OBSERVANCES.

All resident students are required to attend morning prayers in the Chapel.

All resident students are required to attend public worship on Sundays in the Chapel, except those of legal age, who, on their application to the President in writing, and minors, who on the application of their parents or guardians, have been permitted to attend regularly elsewhere.

The RUSSELL LECTURE, established in accordance with a bequest of the late Hon. James Russell, of Arlington, is delivered before the Trustees, Faculty, and students on the first Sunday of the college year by either a clergyman or a layman, on a subject prescribed by the testator.

LIBRARY.

The Library, containing about 20,000 volumes and more than 8,000 pamphlets, is open to members of the College, both for consultation and for the drawing of books, from 9.30 to 5 on week-days, except Wednesday and Saturday afternoons.

JOY LIBRARY FUND. — The income of \$5,200, the donation of John D. W. Joy, Esq., of Boston, is devoted to the purchase of books for the Library, preference being given to the department of Philology.

GYMNASIUM.

The Goddard Gymnasium, recently completed, has been furnished with apparatus under the direction of Dr. D. A. Sargent, and is open daily from 9 to 12 and from 2 until sunset. Each student's exercise is adapted to his physical needs, as determined by medical examination, and measurements are made from time to time to ascertain the results of the training. Class instruction in gymnastics is given during the winter months.

EXPENSES.

College Charges (Tuition, Care of Rooms, Incidentals), per year	\$100.00	\$100.00
Half Room Rent, from \$15.00 to \$50.00, per year	15.00	50.00
Board, \$3.50 to \$4.00 per week	136.50	156.00
Total	\$251.50	\$306.00

Students board in commons at \$3.50 per week; in private families at \$3.50 to \$4.00. Other expenses vary with the economy of each student. Students furnish their own rooms.

The charges for each year are contained in two bills, of which the first is made at the middle of the year, and is payable on the first day of March; the second is made immediately after Commencement, and is payable on the first day of the following college year; but the second bill of the Senior year must be settled by the Saturday before Commencement.

SCHOLARSHIPS.

Scholarships in the gift of the College are as follows : —

THREE STATE SCHOLARSHIPS, of *one hundred dollars* each, established in accordance with a requisition of the Commonwealth.

FIVE HOWLAND SCHOLARSHIPS, of *one hundred dollars* each, established from the income of the bequest of the late Edwin Howland, Esq., of South Africa.

FIVE WALKER MATHEMATICAL SCHOLARSHIPS, of *one hundred dollars* each, established in honor of the late William J. Walker, M.D., of Newport, R.I.

THE PERKINS SCHOLARSHIP, of *fifty dollars*, founded by James D. Perkins, Esq., of Brooklyn, N.Y., by a donation of one thousand dollars.

THE A. A. MINER SCHOLARSHIP, of *fifty dollars*, established by a donation of one thousand dollars.

THE GREENWOOD PRIZE SCHOLARSHIP, the income from the bequest of one thousand dollars by the late Mrs. Eliza M. Greenwood, of Malden, given to such student as shall have made the best attainments in Oratory.

FOUR PRIZE SCHOLARSHIPS of NATURAL HISTORY (I. Tully, II. Olmstead, III. Leavenworth, IV. Miner), from the income of a special fund established by the late Charles Hyde Olmstead, given to such competitors as, in addition to the conditions of other scholarships, have made superior attainments in some assigned branch of Natural History, with which these scholarships are associated.

PACKARD FREE SCHOLARSHIPS. — “Ten students are admitted free of tuition, selected from those who, possessing good abilities, are destitute of the means of fully supporting themselves at the College. As fast as these students graduate from or leave the College, others are selected to take their places.”

THE MOSES DAY FUND, the income of five thousand dollars, is appropriated to the aid of needy and deserving young men.

PREPARATORY SCHOOL PRIZE SCHOLARSHIPS. — These are established in connection with the following Preparatory Schools: Dean Academy, Westbrook Seminary, Goddard Seminary, and Perkins Academy. One such scholarship is open to competition annually in each of these schools, and will be awarded to the student of highest attainments who, during an attendance of not less than two years in

the school from which he presents himself, has attained eighty per cent in all the studies of his preparatory course, and who has answered correctly at least seventy-five per cent of all the questions proposed by the Faculty for admission to college. The amount of a scholarship is *one hundred and twenty-five dollars* a year, and the student to whom one is awarded shall be entitled to receive it during the four years of his college course, provided that he takes rank and holds it in the upper third of his class, and provided that his conduct shall commend itself in all respects to the Faculty. In all cases the Faculty shall be judges of the per cent attained by students.

These awards are made by the Board of Trustees on the recommendation of the Faculty. When voted, except the Free Scholarships and Preparatory School Prize Scholarships, they are understood to cover the college year just ended. The obtaining of a scholarship for one year does not constitute any title to a second nomination.

APPOINTMENTS.—The pay of a Monitor is *twenty dollars* a year; that of the Bell-ringer, *one hundred dollars*.

Applications for Scholarships and other aids must be made to the Faculty on or before the first day of March; and, if the applicant be a minor, must be sanctioned by his parent or guardian. No one need apply who has not made satisfactory progress or who has come under any grave censure in the course of the year.

PRIZES.

GODDARD PRIZES.—In the second term of the academical year, four prizes of *fifteen dollars* each are assigned from the Goddard Prize Fund, as follows:—

A Prize for the best Dissertation, by a member of the Senior Class, on a subject assigned.

A Prize for the best Examination in Plato's Symposium, or the Agamemnon of Æschylus, including an account of the author and his works.

A Prize for the best Latin Prose Translation, by a member of the Sophomore Class, of the fourth Section of Chapter IX. in Liddell's History of Rome.

A Prize for the best Examination in Geometry and Algebra, by a member of the Freshman Class.

The Dissertations and Translations must be left at the President's office by the 1st of May, in sealed envelopes, accompanied by sealed letters containing the authors' names.

RHETORICAL PRIZES.—Six prizes are awarded, as follows:—

Two Prizes, of *twenty* and *ten dollars* respectively, to the best Readers of the Senior Class.

Two Prizes, of *twenty* and *ten dollars* respectively, to members of the Junior Class, for the best exhibition of improvement and skill in Elocution.

Two Prizes, of *twenty* and *ten dollars* respectively, on the same conditions, to members of the Sophomore Class.

The selections for Reading and Declamation must be approved by the Professor of Oratory. The names of competitors for the prizes in Reading and Elocution must be handed to the President at least two weeks before the day of trial.

ENTRANCE EXAMINATION PRIZES.—Two Prizes, of *thirty* and *twenty dollars* respectively, are awarded for the best entrance Examinations. To receive either, the candidate must pass in all the subjects required for admission to college, and must be admitted without conditions. These prizes are payable at the end of the first half year in college.

PACKARD PRIZES.—In accordance with a provision of the will of the late Silvanus Packard, ten prizes, of *twenty dollars* each, are annually awarded to as many students who rank highest in scholarship and good behavior.

The foregoing prizes are not awarded, unless, in the opinion of the respective judges, there is sufficient merit in the several contests to warrant their distribution.

HONORS AND DEGREES.

SPECIAL HONORS will be conferred at Commencement upon any member of the Senior Class who shall have complied with the following conditions: 1. He must have excelled in the required work of the study in which he desires Honors, and also in the required work of two cognate studies. 2. In this and a cognate study, he must have taken the equivalent of six hours a week for a year of elective work, and must have passed the examinations on them with distinction. 3. He must pass an examination before a committee of the Faculty on as much extra work in the study in which he desires Honors as would be

equal to two hours a week for a year. This examination may be oral, written, or by practical work, and may be so extended as to cover the whole work of the student in that department.

Departments are open for Honors as follows: I. Natural History, II. Physics, III. Chemistry, IV. Mathematics, V. Philosophy, VI. Modern Languages, VII. Classics.

A student is expected to apply for Honors as early as the middle of his Junior year, and may make up his standing in any study in which he is deficient. The grade of Honors, as well as the department, will be mentioned in the diploma and printed in the catalogue. Special requisitions may be made in any department.

THE DEGREE OF MASTER OF ARTS will be conferred upon such Bachelors of Arts and Bachelors of Philosophy as shall pursue during a residence of not less than one year, and under the instruction of the Faculty, a prescribed course of study in at least two departments. The condition of residence may be waived, but in such case the required attainment must be ascertained by examination. This degree will be conferred, under the same conditions, on graduates of other colleges whose courses of study have been equivalent to the courses for which the degrees of A.B. and Ph.B. are given by Tufts College. THE DEGREE OF MASTER OF MECHANIC ARTS will be conferred, upon the same conditions, on graduates in the Department of Engineering.

AWARDS FOR 1885.

Greenwood Prize Scholarship.

TO FRED CLIFFORD SPAULDING, of the Junior Class.

Natural History Prize Scholarships.

TO ISAAC WELLINGTON CROSBY and WILLIAM RICHARDSON WOODBURY, of the Senior Class, in Biology; and WILLIAM HILTON GOULD, of the Senior Class, in Mineralogy.

Preparatory School Prize Scholarships.

TO CLARENCE AUGUSTUS CROOKS, fitted at Dean Academy, and ORLANDO KNAPP HOLLISTER, fitted at Goddard Seminary.

For Latin Prose.

TO DAVID LEE MAULSBY, of the Sophomore Class.

For Examination in Mathematics.

TO LEWIS DWIGHT COBURN, of the Freshman Class.

For Reading.

TO SAMUEL WARREN MENDUM and JAMES HARRY HOLDEN, of the Senior Class.

For Declamation.

TO HERMAN HORACE DUNHAM and CHARLES MANDEVILLE LUDDEN, of the Junior Class; and LEO RICH LEWIS and DAVID LEE MAULSBY, of the Sophomore Class.

Packard Prizes.

TO GEORGE SIMONDS EVELETH, of the Senior Class; RALPH EDGAR JOSLIN and NEALE ALTON WHITE, of the Junior Class; GEORGE ALBERT CHAPIN, WALDO LINCOLN COOK, DAVID LEE MAULSBY, and CHARLES HENRY PATTERSON, of the Sophomore Class; and CHARLES HENRY CAMBRIDGE, GEORGE FREDERICK MURDOCK, and FREDERICK HOWARD SWIFT, of the Freshman Class.

Entrance Examination Prizes.

TO ORLANDO KNAPP HOLLISTER and CHARLES LOWELL YOUNG, of the Freshman Class.

DIVINITY SCHOOL.

FACULTY OF THE DIVINITY SCHOOL.

ELMER H. CAPEN, D.D., *President.*
THOMAS J. SAWYER, D.D., *Dean.*
CHARLES H. LEONARD, D.D.
WILLIAM G. TOUSEY, A.M., B.D.
GEORGE T. KNIGHT, A.M., B.D., *Secretary.*
GEORGE M. HARMON, A.M., B.D.
MOSES T. BROWN, A.M.

EDWIN C. BOLLES, PH.D., D.D.
ALONZO A. MINER, D.D., LL.D.
HENRY I. CUSHMAN, A.M.
GEORGE T. FLANDERS, D.D.
EDWARD L. HOUGHTON, A.M.

STUDENTS.

SENIOR CLASS.

Barber, Elliot Bates,	<i>Norwich, Conn.,</i>	West Hall, 21.
Canfield, Harry Lee,	<i>Bellville, Ohio,</i>	West Hall, 28.
Carney, James Weston, B. S. (<i>Lom. Univ.</i>),	<i>Galesburg, Ill.,</i>	West Hall, 26.
Fisher, Lee Howard,	<i>Charlotte, Me.,</i>	West Hall, 24.
Nickerson, Charles Sumner,	<i>Chatham,</i>	West Hall, 21.
Walch, Alexander Frank,	<i>East Boston,</i>	West Hall, 25.

MIDDLE CLASS.

Cutler, Myron Lewis,	<i>Worcester,</i>	West Hall, 31.
Priest, Ira Allen, Ph.B.,	<i>Mechanicsville, Vt.,</i>	West Hall, 22.
Reardon, John Benjamin,	<i>Bristol, N. Y.,</i>	West Hall, 24.
Tuttle, Walter Augustus,	<i>Taunton,</i>	West Hall, 28.

JUNIOR CLASS.

Dunham, Hallie Gardner,	<i>Attleboro,</i>	West Hall, 29.
Gould, William Hilton, A.B.,	<i>E. Turner, Me.,</i>	West Hall, 10.
Holden, James Harry, A.B.,	<i>Middlesex, Vt.,</i>	West Hall, 22.
Libby, Wentworth Roscoe,	<i>Chelsea,</i>	West Hall, 27.
Marggraf, Edward Everett,	<i>Caledonia, Ohio,</i>	West Hall, 23.
Marvin, Judson Patterson,	<i>Portsmouth, N.H.,</i>	West Hall, 32.
Marvin, Thomas Oliver,	<i>Portsmouth, N.H.,</i>	West Hall, 32.

Payson, Fred Le Roy,	<i>Hope, Me.,</i>	West Hall, 27.
Powers, Levi Moore,	<i>Newry, Me.,</i>	West Hall, 23.
Walch, Rodney Winslow,	<i>East Boston,</i>	West Hall, 25.
White, Henry Scott,	<i>Boston,</i>	West Hall, 29.

SUB-JUNIOR CLASS.

Dudley, Willis Edward,	<i>Lynn,</i>	West Hall, 30.
Hall, Charles Priest,	<i>Troy, N. Y.,</i>	West Hall, 26.
Robinson, Harvey Eugene,	<i>Springfield, Vt.,</i>	Mid. Hall, 7.
Torsleff, Andrew Jacob,	<i>Chelsea,</i>	West Hall, 30.

SPECIAL STUDENT.

Lynn, Cephas Brackett,	<i>New London, Conn.,</i>	West Hall, 26.
------------------------	---------------------------	----------------

ADMISSION

TO

THE THEOLOGICAL COURSE.

Candidates unknown to the Faculty must bring satisfactory testimonials of good character. They must believe in the Christian religion, and have a sincere purpose to devote their lives to the Christian ministry. It is expected that they will present themselves on the day preceding the first day of the academic year.

Bachelors of Arts are admitted to the Junior Class without examination. Candidates for the Four Years' Course are examined in the studies usually pursued in the best High Schools and Academies.

Applicants may be admitted to the school for any period of not less than one year. Those applying for admission to an advanced standing are examined in the studies which have been pursued by the class they propose to enter.

It is earnestly recommended that all who are contemplating a course of theology should take, as preliminary, a full collegiate course of study. The call is for men of liberal culture, and it has been found that academic discipline is of great value as a preparation for professional studies. It has not been thought expedient, however, to make such a requisition, for it has been found that earnest and capable men aspire to the Christian ministry, whose circumstances forbid such extensive preparation. To meet the wants of such, and yet provide for thorough training and comprehensive development, a four years' course has been instituted.

COURSE OF STUDY.

SUB-JUNIOR CLASS.

RHETORIC. — Principles of Effective Speech ; Rhetorical Analysis ; Themes.

PSYCHOLOGY. — The Intellect ; The Sensibilities ; Leading Questions of Mental Philosophy.

LOGIC. — Deduction ; Induction.

LANGUAGES. — New Testament Greek ; Opportunities for electing Hebrew and German.

JUNIOR CLASS.

LOGIC. — Fallacies ; Study of Arguments.

HISTORY. — History of the Church and of Doctrines from the Apostles to the Reformation ; History of the Jews until the Time of Christ.

NEW TESTAMENT. — Hermeneutics ; Illustrations of Principles in Exegesis ; Introduction to Study of New Testament Books ; Examination of Questions in Criticism.

THEOLOGY. — Systematic Theology.

HOMILETICS. — History of Preaching ; The Conception and Structure of the Sermon ; Homiletical Analysis of Portions of the New Testament.

MIDDLE CLASS.

PSYCHOLOGY. — The Will ; The Moral Nature ; Practical Ethics.

HISTORY. — History of the Church, of Sects, and of Doctrines from the Reformation to Modern Times.

NEW TESTAMENT. — Study of the Parables ; Theology of the New Testament.

OLD TESTAMENT. — Historical Study of the Prophets.

THEOLOGY. — Systematic: Examination of Special Doctrines.
Comparative: Study of the Non-Christian Systems.

HOMILETICS. — Study of the Sermons of Eminent Preachers;
Lectures; The Composition and Delivery of Sermons.

SENIOR CLASS.

PSYCHOLOGY. — Types of Ethical Theories; Christian Ethics.

NATURAL THEOLOGY. — Theistic Arguments; Special studies with reference to the Evidences of Order and Design; Relations of Science and Religion.

COMPARATIVE THEOLOGY. — Study of the Non-Christian Systems.

HOMILETICS. — Lectures on Sermon-style and on Preaching; The Composition and Delivery of Sermons.

CHURCH GOVERNMENT. — The Ecclesiastical Polity of the New Testament; The Polity of Special Churches Compared; The Government and Discipline of the Universalist Church.

PASTORAL THEOLOGY. — Pastoral Qualifications and Duties; The Administration of Religion in general; Organized work in the Parish.

GENERAL INFORMATION.

ESSAYS, SERMONS, AND EXAMINATIONS.

In each department of study students are required to write essays on the most important topics. The members of the two upper classes prepare sermons, and preach in turn before the class.

Written reviews are held at regular intervals in all departments. At the end of each half-year, students are subject to a public written examination upon the work of the term.

RELIGIOUS AND LITERARY EXERCISES.

Devotional services are held daily in the Chapel; also, weekly evening Prayer Meetings.

The Zetagathean Society holds weekly meetings for literary criticisms, debates, orations, etc.

LIBRARIES AND LECTURES.

Students have free access to the general library of the College, also to the valuable library of the Universalist Historical Society. Important public libraries of Boston are open to students for consultation.

Supplementary lectures, which bear upon the general work of the Christian Ministry, and upon special subjects of study, are given at intervals throughout the year by well-known Clergymen of the vicinity.

ELECTIVE STUDIES.

Students are permitted to elect studies in other departments of the College, subject however to the discretion of the Faculty.

GENERAL FACILITIES.

Important facilities for general improvement are offered to students, in the valuable libraries and museums of Boston and vicinity. Elaborate courses of lectures on scientific, social, and literary subjects are presented to the public from time to time. The most noted divines of New England officiate every Sunday within easy distance, and may be studied by the student in respect to their teachings and their methods. It is the policy of the school to encourage the judicious use of these important instrumentalities of culture.

COURSES OF STUDY AND DEGREES.

For Bachelors of Arts, the full Course occupies three years; for all others, four years. The special courses occupy, respectively, one, two, and three years.

The Degree of Bachelor of Divinity is conferred upon college graduates who sustain satisfactorily an examination on the studies of the prescribed Course, and upon others who, in the judgment of the Faculty, have made equivalent attainments. Diplomas certifying to attainments are conferred upon those who have taken in a satisfactory manner the Four Years' Course.

Opportunities for pursuing advanced studies are offered to graduates and to others sufficiently qualified.

ROOMS AND EXPENSES.

The rooms assigned to the Divinity Students, in the West Hall, are large, well-ventilated apartments. Each study is provided with suitable furniture; and the bed-room adjoining each study is furnished with bedstead, bureau, etc.

Tuition, room-rent, and use of furniture free. The price of board is about \$3.50 per week. The necessary school expenses, including board, washing, fuel, light, text-books, etc., will not exceed two hundred dollars per year.

The General Convention of Universalists aids students by a system of loans; and those in the regular course who have shown sufficient maturity are permitted to preach, under the direction of the Faculty, during the year and a half preceding their graduation. In this way they may add to their pecuniary resources.

THE GREENWOOD SCHOLARSHIP.

The income of one thousand dollars will be given in prizes to members of the Divinity School, "for excellence in such department of work as the Faculty of that School shall determine."

For the year 1885, these prizes were awarded to JOHN BENJAMIN REARDON, CHARLES SUMNER NICKERSON, and JULIUS STEARNS CUTLER.

CALENDAR.

1885.

- Sept. 17. College Year begins, Thursday morning.
Sept. 20. Russell Lecture, Sunday, 4 P.M.
Dec. 23. Recess begins, Wednesday evening.

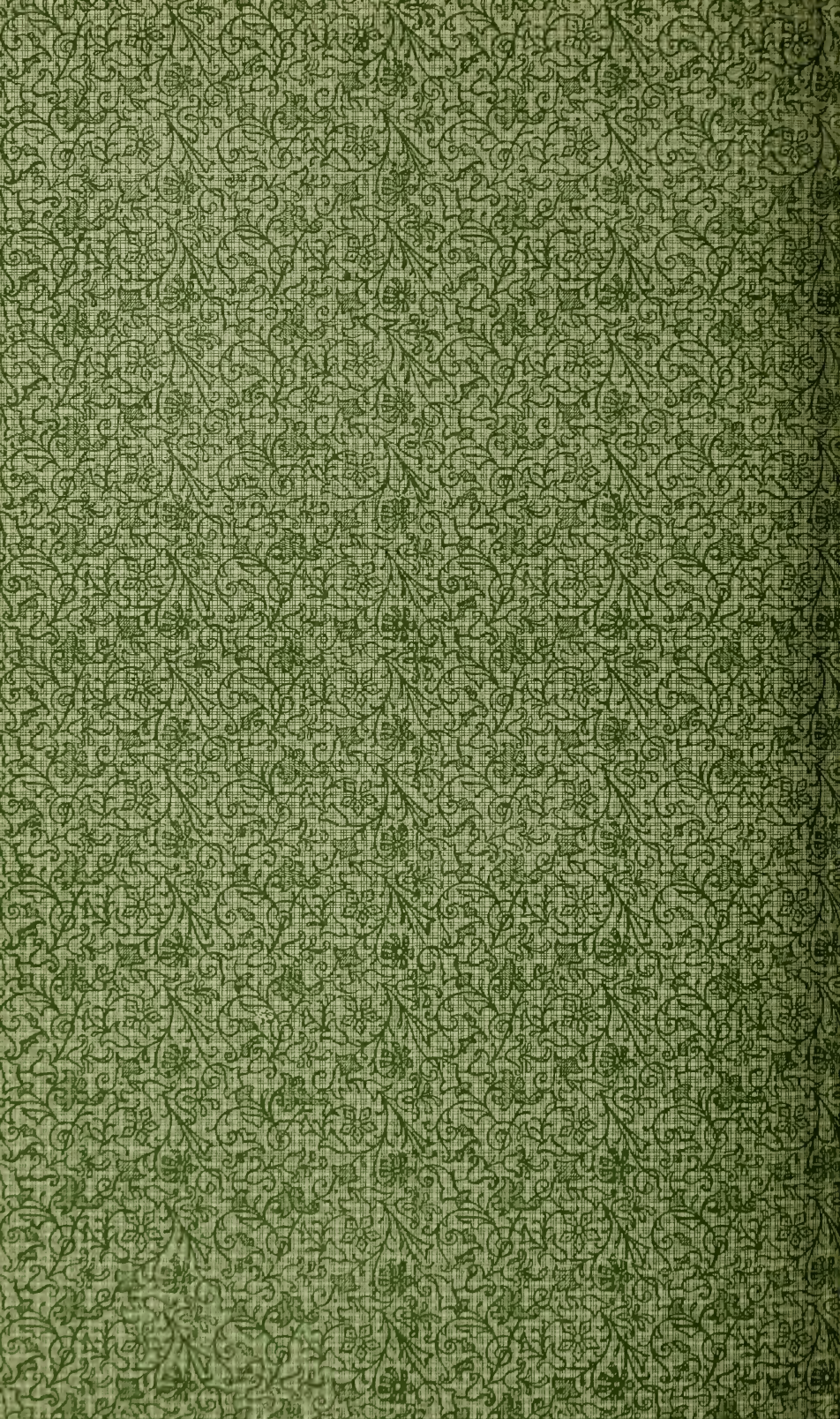
1886.

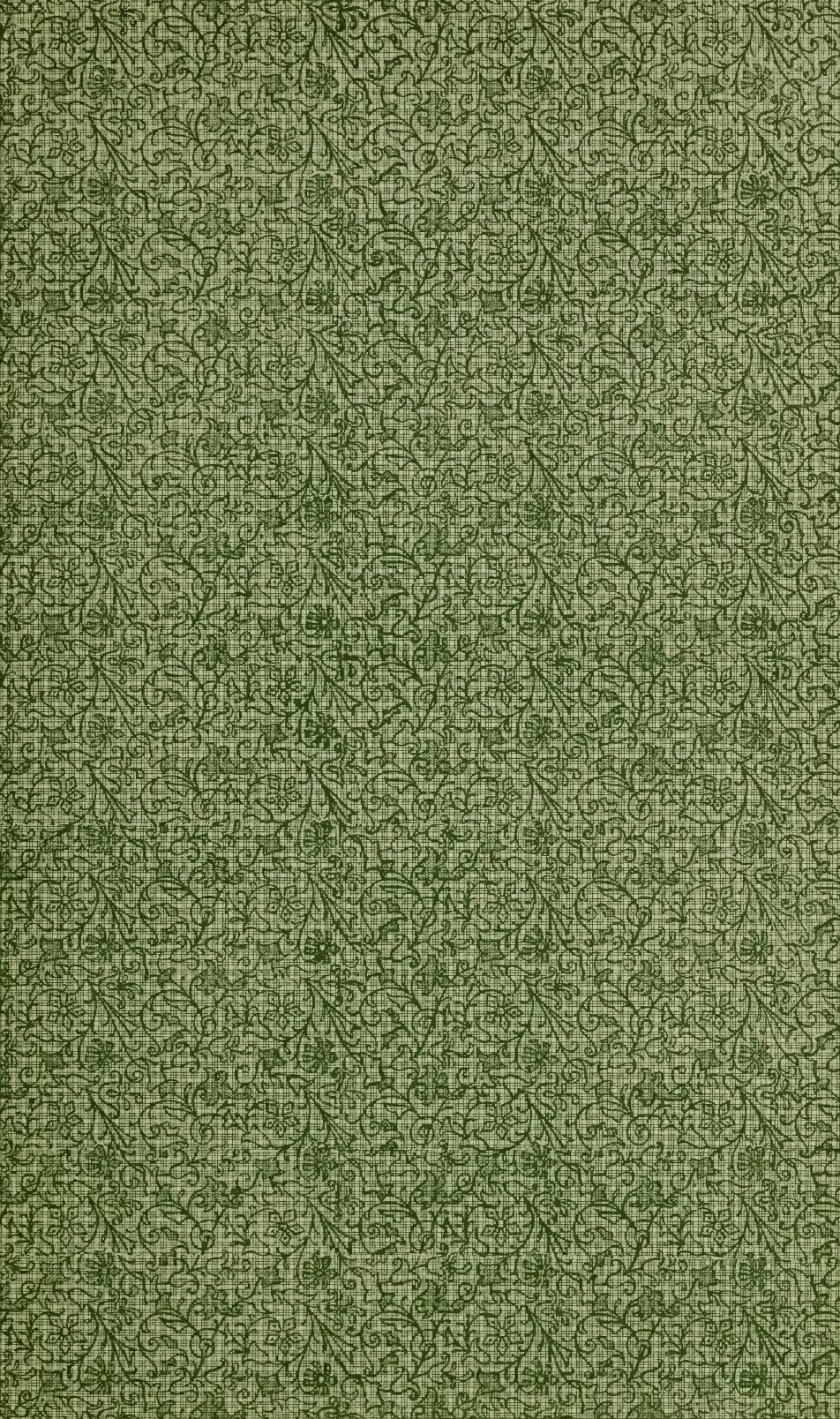
- Jan. 6. Recess ends, Wednesday evening.
Feb. 6. End of first half year, Saturday.
June 8. Prize Speaking and Reading, Tuesday, 3 P.M.
June 13. Baccalaureate Sermon, Sunday, 4 P.M.
June 16. Commencement, third Wednesday in June.
June 17. Examination for Admission begins, Thursday, 9 A.M.

SUMMER VACATION, THIRTEEN WEEKS.

- Sept. 14. Second Examination for Admission, Tuesday, 9 A.M.
Sept. 15. Examination for Admission to the Divinity School.
Sept. 16. College Year begins, Thursday morning.
Sept. 19. Russell Lecture, Sunday, 4 P.M.
Oct. 12. Annual Meeting of the Board of Trustees, Tuesday.

NOTE. — Trains stopping at College Hill, leave the station of the Lowell Railroad, in Boston, at 6.45, 7.35, 9.05, 10, 11.30 A.M., 12.10, 3.15, 4.30, 5.10, 6, 6.30, 7.30, 9.30, and 11.20 P.M. Sunday, 8.45 A.M., 1.00, 5.00 P.M. Return at 6.14, 6.49, 7.21, 8.09, 9.19, 10.35 A.M., 1.30, 3.09, 3.35, 4.21, 5.07, 5.35, 6.39, 8.51, and 10.35 P.M. Sunday, 9.27 A.M., 5.21 P.M. The College is four miles from Boston. Post-Office address, College Hill, Mass.





UNIVERSITY OF ILLINOIS-URBANA



3 0112 114109975